深圳市键特电子有限公司
东莞市键特电子有限公司
KEY TECHNOLOGY CHINA LIMITED

RUGGED KEYBOARD AND MOUSE CATALOGUE

Rugged Keyboards and Mice Expert

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Feature and Reliability

Designed to meet the critical military standards in these 10 aspects	
01	Reliability
02	Safety
03	Maintainability
04	Testability
05	Supportability
06	Environmental Adaptability
07	Stability
08	Compatibility
09	Consistency
10	Continuity

Environmental Adaptability	MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, fungus etc.)
01	Low Pressure (57kPa - 106kPa)
02	High Temperature (+75℃)
03	Low Temperature (-40℃)
04	Temperature Shock （-55℃ to +75℃）
05	Rain Test (Wind velocity: no less than 18m/s, test duration: 3h)
06	Humidity (-30℃ to +60℃, 95%RH)
07	Fungus (Test period: 28 days (672h))
08	Salt Spray (Test period: 96h, IEC60512-6)
09	Low Frequency Vibration
10	Dust Test (10.6g/m³±7g/m³)
11	Vibration (Frequence: 0-2000Hz, Displacement: 1mm, Acceleration:70m/s²)
12	Shock (40g, 11ms)
13	Drop Test (Drop height: 122cm)

Part Number: K-TEK-M18FK

Feature

IP65 dynamic waterproof silicone matrix function keypad with totally sealed and ruggedized PCB with carbon-on-gold key switch technology with key stroke 1.5mm with excellent tactile feeling for stable and accurate data input. Rear panel mounting. Which is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, dirt, salt mist etc, no rust risk and anti-salt spray corrosion. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

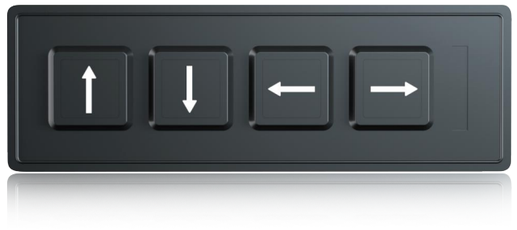
Keys:	6 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.10KG
Dimension:	96.0mm x 18.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +65℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Feature

IP65 rated sealed & ruggedized silicone matrix function keypad, with carbon-on-gold key switch technology with key stroke (1.50mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, matrix output without electronics controller, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, industrial white backlight included, top panel mounted solution. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Part Number: K-TEK-M32FK-4-AC-BL

Mechanical Data

Keys:	4 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.10KG
Dimension:	96.0mm x 32.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA
Connect Interface:	Dot matrix
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +65℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Feature

IP65 rated sealed & ruggedized silicone matrix function keypad, with carbon-on-gold key switch technology with key stroke (1.40mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, matrix output without electronics controller, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, industrial white backlight included, top panel mounted solution. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Part Number: K-TEK-M70KP-12-AC-BL

Mechanical Data

Keys:	12 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.40KG
Dimension:	70.0mm x 96.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈100mA
Connect Interface:	Dot matrix
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +65℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Feature

IP65 dynamic sealed and ruggedized silicone rubber keyboard with sealed and ruggedized toupad for fast and accurate cursor position, with integrated numeric keypad, with carbon-on-gold key switch technology with key stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise, 2 mouse buttons designed for right & left clicking, with mounting holes for rear panel mounting. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Part Number: K-TEK-M90TP-KP-IL-OEM

Mechanical Data

Keys:	16+2 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.30KG
Dimension:	78.0mm x 124.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +65℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Feature

IP65 rated sealed & ruggedized silicone matrix function keypad, with carbon-on-gold key switch technology with key stroke (1.40mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, matrix output without electronics controller, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, industrial white backlight included, top panel mounted solution. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Part Number: K-TEK-M103KP-16-AC-BL

Mechanical Data

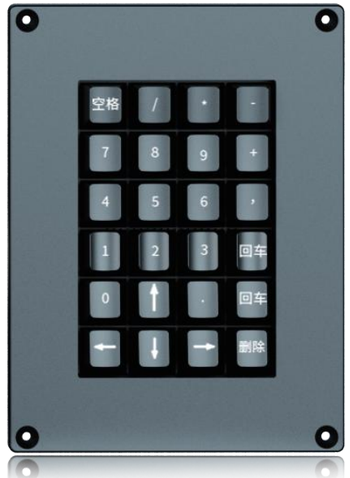
Keys:	16 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.40KG
Dimension:	103.0mm x 96.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈100mA
Connect Interface:	Dot matrix
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +65℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Feature

IP54 static rated waterproof rugged durable embedded military mechanical keypad, with built-in integrated military grade PCB. The high quality ruggedized aluminum alloy panel is processed by CNC, PC material button, with mechanical axis key switch and 4.00mm long stroke with extremely comfortable tactile feeling for fast and accurate data input, with durable coating & antimicrobial surface, which can be used in harsh environments to well withstand bacteria, with 4 sinking holes for top panel mount to user's device. With green backlight included. Designed to meet MIL-STD-810F (wide temperature, shock, salt mist, vibration, fungus, humidity etc.) and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), which can also meet the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Part Number: K-TEK-M129KP-MA-BL-ML

Mechanical Data

Keys:	24 keys
Key Travel:	0.40±0.40mm
Key Lifespan:	>5 million actuations
Actuation Force:	0.55N±0.15N
Gross Weight:	≈0.50KG
Dimension:	129.0mm x 172.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈17mA
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP54
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +60℃
Storage Temperature:	-45℃ ~ +70℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Feature

IP65 dynamic sealed & ruggedized silicone rubber industrial numeric keypad with integrated sealed and ruggedized IP68 dynamic washable 25.0mm optical trackball module with 800 DPI for fast and accurate cursor position, industrial PCB with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise, with panel mounting solution. Backlight optional. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Part Number: K-TEK-M130-25-OTB-OEM

Mechanical Data

Keys:	15+3 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.50KG
Dimension:	130.0mm x 77.5mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +65℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M160HP-KP-IL-SS

Feature

IP65 dynamic sealed and ruggedized silicone rubber keyboard with a Force Sensing Resistor pointing device for fast and accurate cursor position, with integrated numeric keypad, industrial PCB with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise, 3 mouse buttons designed for right & left clicking and scrolling up and down with ball rolling, CLEAN key for easy cleaning without needing to take the keyboard from PC, with stainless steel housing protects the electronics controller, with mounting holes for rear panel mounting. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	19+6 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.60KG
Dimension:	160.0mm x 125.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +65℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M183-FN-ML

Feature

IP65 dynamic sealed & ruggedized silicone rubber military keyboard with individual electronics controller included, 12 function keys on top line for easy operation, military grade PCB with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise or mistyping, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, rear panel mount without any cover on back side with mounting holes, adjustable industrial backlight for optional, with USB/PS2 interface, wide temperature of -40 to +75℃. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	69 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.50KG
Dimension:	182.5mm x 93.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M183-FN-BL-ML

Feature

IP65 dynamic sealed & ruggedized silicone rubber military keyboard with 12 function keys on top line for easy operation, with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise or mistyping, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, rear panel mount solution with mounting holes. Adjustable military white backlight included. The whole keyboard is designed to meet MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, fungus etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

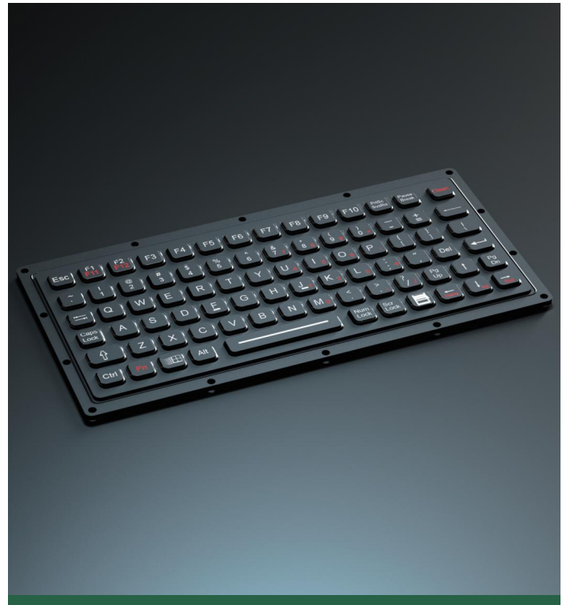
Keys:	69 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.50KG
Dimension:	182.5mm x 93.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M222-FN-ML-OEM

Feature

IP65 dynamic sealed & ruggedized silicone rubber military keyboard, 10 function keys on top line for easy operation, with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable whole keyboard without needing to take away the keyboard from PC, rear panel mounted version, adjustable backlight optional, Military Level. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	81 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.45KG
Dimension:	222.0mm x 100.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M270-FN-ML

Feature

IP65 dynamic sealed and durable embedded silicone rubber rugged keyboard, with built-in military grade PCB, 12 function keys on top line for easy operation, with carbon-on-gold key switch technology with key stroke (1.50±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable whole keyboard without needing to take away the keyboard from PC, rear panel mounted, with a reinforced and rugged aluminum back plate for better shielding function and positioning of the rugged cable outlet. Built to meet MIL-STD-810F (wide temperature, shock, salt mist, vibration, fungus, humidity etc.), which can also meet the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	87 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.60KG
Dimension:	270.0mm x 113.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M270-FN-BL-ML

Feature

IP65 dynamic sealed and durable embedded silicone rubber rugged keyboard, with built-in military grade PCB, 12 function keys on top line for easy operation, with carbon-on-gold key switch technology with key stroke (1.50±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable whole keyboard without needing to take away the keyboard from PC, rear panel mounted, with a reinforced and rugged aluminum back plate for better shielding function and positioning of the rugged cable outlet, adjustable white backlight included. Built to meet MIL-STD-810F (wide temperature, shock, salt mist, vibration, fungus, humidity etc.), which can also meet the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	87 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.60KG
Dimension:	270.0mm x 113.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M270-FN-BL-ML+TP80-DML+2KEY

Feature

IP65 dynamic sealed & durable embedded military silicone rubber keyboard with rugged touchpad module and 2 mouse keys integrated, with built-in military grade PCB, 12 function keys on top line for easy operation, with carbon-on-gold key switch technology with key stroke (1.50±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable whole keyboard without needing to take away the keyboard from PC, panel mount with super thin ruggedized aluminum back plate with mounting holes, adjustable industrial white backlight included. FN + End button to control keyboard backlight and FN + ↑ or ↓ button to adjust backlight brightness. Built to meet MIL-STD-810F (wide temperature, shock, salt mist, vibration, fungus, humidity etc.). Which can also meet the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

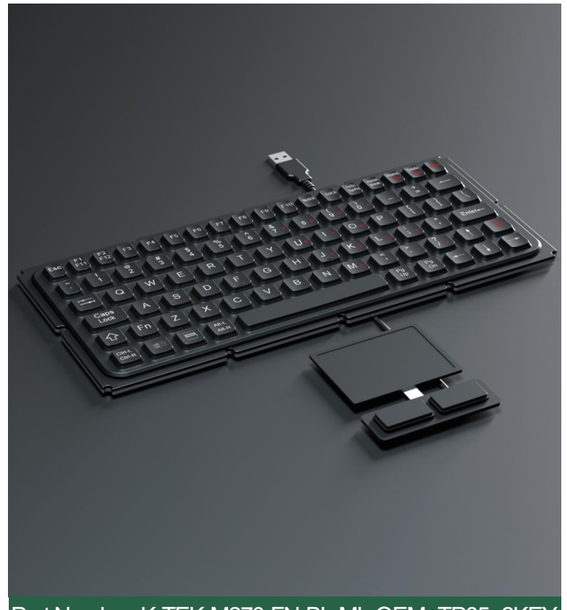
Keys:	87+2 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.65KG
Dimension:	270.0mm x 113.0mm(L x W); Touchpad: 81.0mm x 50.0mm (L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M270-FN-BL-ML-OEM+TP65+2KEY

Feature

IP65 dynamic sealed & durable embedded military silicone rubber keyboard with sealed & rugged waterproof touchpad and 2 mouse keys integrated, with built-in military grade PCB, 12 function keys on top line for easy operation, with carbon-on -gold key switch technology with key stroke (1.50±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable whole keyboard without needing to take away the keyboard from PC, panel mount with super thin ruggedized aluminum back plate with mounting holes, adjustable industrial white backlight included. Built to meet MIL -STD-810F (wide temperature, shock, salt mist, vibration, fungus, humidity etc.). Which can also meet the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

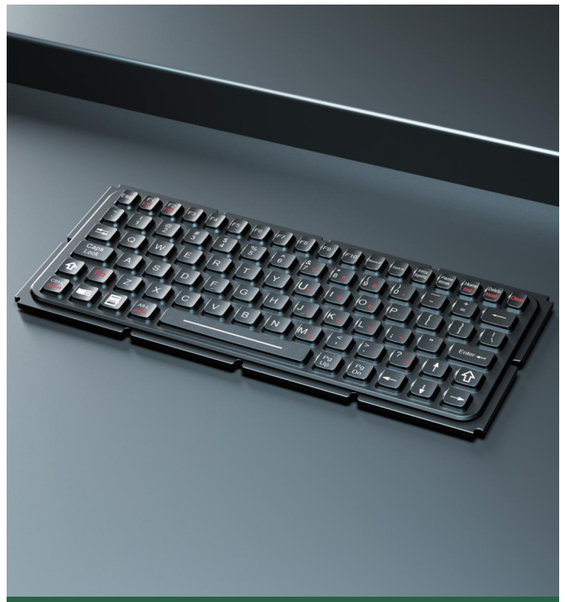
Keys:	87+2 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.65KG
Dimension:	275.6mm x 118.6mm(L x W); Touchpad: 66.0mm x 65.0mm (L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M270-FN-BL-ML-OEM

Feature

IP65 dynamic sealed & ruggedized silicone rubber military keyboard with military electronics PCB included, 12 function keys on top line for easy operation, military PCB with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable whole keyboard without needing to take away the keyboard from PC, panel mounted version, adjustable backlight included, Military Level. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	83 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.65KG
Dimension:	270.0mm x 113.0mm(L x W)

Electrical Data

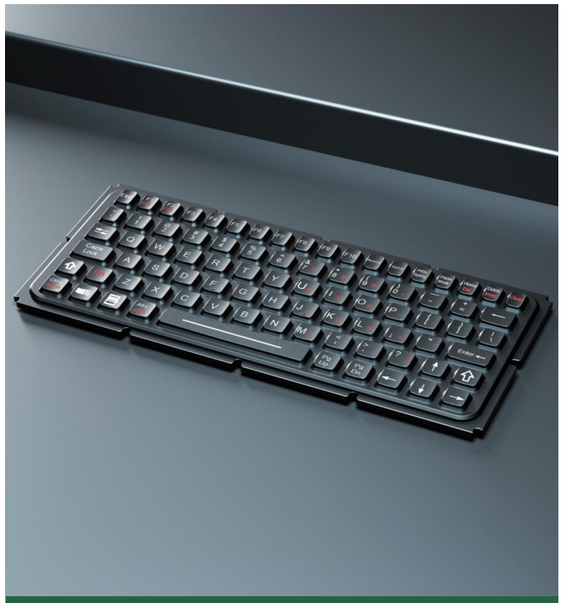
Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

键特电子 KEY TECHNOLOGY

Optional Configuration	Part Number	Remark
	K-TEK-M270-FN-BL-IL-OEM	-20℃ to +60℃ optional
	K-TEK-M270-FN-ML-OEM	Non-backlight version
	K-TEK-M270-FN-IL-OEM	Non-backlight version and -20℃ to +60℃ optional
	K-TEK-M270-FN-BL-ML-SS	With rugged stainless steel back plate optional



Part Number: K-TEK-M270-FN-BL-ML-OEM

Feature

IP65 dynamic sealed & ruggedized silicone rubber military keyboard with military electronics PCB included, 12 function keys on top line for easy operation, military PCB with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable whole keyboard without needing to take away the keyboard from PC, panel mounted version, adjustable backlight included, Military Level. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	83 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.65KG
Dimension:	270.0mm x 113.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Optional Configuration	Part Number	Remark
	K-TEK-M270-FN-BL-IL-OEM	-20℃ to +60℃ optional
	K-TEK-M270-FN-ML-OEM	Non-backlight version
	K-TEK-M270-FN-IL-OEM	Non-backlight version and -20℃ to +60℃ optional
	K-TEK-M270-FN-BL-ML-SS	With rugged stainless steel back plate optional

Part Number: K-TEK-M270-FN-BL-ML+M73TP

Feature

IP65 dynamic sealed & ruggedized silicone rubber keyboard with sealed rugged touchpad and 12 function keys on top line for easy operation, with carbon-on-gold key switch technology with key stroke (1.50±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable whole keyboard, panel mount with super thin ruggedized aluminum back plate with mounting holes, adjustable white backlight included. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	87+2 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.65KG
Dimension:	Keyboard:270.0mm x 113.0mm(L x W); Touchpad:73.0mm x 76.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M270-TPT-FN-BL-ML

Feature

IP65 dynamic sealed and durable embedded silicone rubber rugged keyboard with built-in military grade PCB, with a small blue trackpoint, it can accurately sense the pressure direction and pressure changes of the finger, thereby accurately controlling the movement direction and speed of the X and Y directions. It is light and sensitive to the touch. 12 function keys on top line for easy operation, with carbon-on-gold key switch technology with key stroke (1.50±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable whole keyboard without needing to take away the keyboard from PC, rear panel mounted, with a reinforced and rugged metal back plate for better shielding function and positioning of the rugged cable outlet. Built to meet MIL-STD-810F (wide temperature, shock, salt mist, vibration, fungus, humidity etc.), which can also meet the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

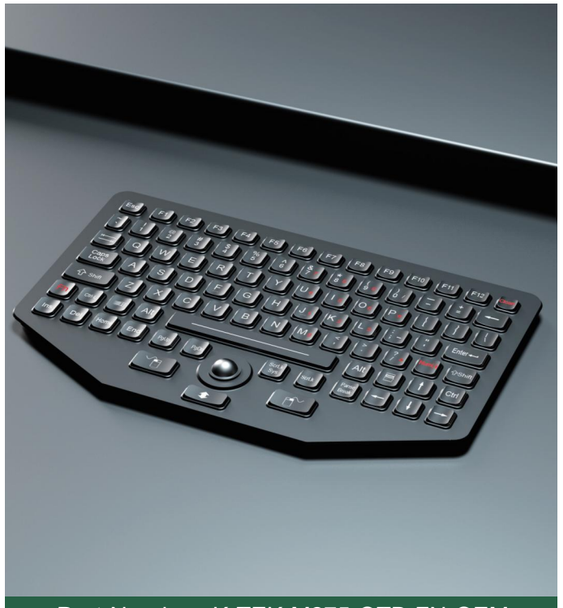
Keys:	87 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.80KG
Dimension:	270.0mm x 113.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M275-OTB-FN-OEM

Feature

IP65 dynamic sealed & ruggedized silicone rubber industrial keyboard with full keyboard functionalities with IP68 dynamic washable 16.0mm optical trackball module with 800 DPI for fast and accurate cursor position, 12 FN keys (F1, F2...F11, F12) are on the top line for easy operation, with industrial PCB with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable whole keyboard without needing to take away the keyboard from PC. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.),and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	89+3 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.80KG
Dimension:	222.0mm x 100.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈100mA
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +70℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M275-FN-BL-ML-UT-OEM

Feature

IP65 dynamic sealed & ruggedized silicone rubber military keyboard with carbon-on-gold PCB electronics controller module included, 12 function keys (F1, F2...F11, F12) on top line for easy operation, carbon-on-gold key switch with stroke (1.20mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable whole keyboard, panel mounted version, military level with adjustable backlight included. With optional stainless steel back plate sealed and ruggedized with top silicone cover & gold finnish PCB for ruggedized structure and easy mounting and sealing, stainless steel housing protects the electronics controller. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	88 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.2N±0.2N
Gross Weight:	≈0.60KG
Dimension:	275.0mm x 104.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M275TP-FN-BL-IL-OEM

Feature

IP65 dynamic sealed and ruggedized silicone rubber Hygienic industrial keyboard with full keyboard functionalities with sealed & ruggedized tough touchpad for fast and accurate cursor position, 12 FN keys (F1, F2...F11, F12) are on top line for easy operation, with industrial PCB with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN key to lock/disable the keyboard for easy cleaning, industrial PCB sealed and ruggedized with top rubber for top panel mounting, industrial level with adjustable backlight included. With optional stainless steel back plate sealed and ruggedized with top industrial silicone cover & industrial PCB for ruggedized structure, Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	87+2 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.80KG
Dimension:	275.0mm x 169.6mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +70℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Optional Configuration	Part Number	Remark
	K-TEK-M275TP-FN-BL-IL-DT	Mountable inclined desk top with VESA mounting holes version optional
	K-TEK-M275TP-FN-BL-IL-FDT	Mountable flat desk top with VESA mounting holes version optional
	K-TEK-M275TP-FN-IL-OEM	Non-backlight version
	K-TEK-M275TP-FN-BL-IL-SS	With rugged stainless steel back plate optional

Part Number: K-TEK-M275TP-FN-BL-ML-OEM

Feature

IP65 dynamic sealed and ruggedized silicone rubber Hygienic keyboard with sealed & ruggedized tough touchpad for fast and accurate cursor position, 12 FN keys (F1, F2...F11, F12) are on top line for easy operation, with gold finish PCB with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN key to lock/disable the keyboard for easy cleaning, top panel mounting, with adjustable red backlight included. With optional stainless steel back plate sealed and ruggedized with top silicone cover & gold finish PCB for ruggedized structure and easy mounting and sealing, stainless steel housing protects the electronics controller. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	87+2 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.80KG
Dimension:	275.0mm x 169.6mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Optional Configuration	Part Number	Remark
	K-TEK-M275TP-FN-BL-ML-DT	Mountable inclined desk top with VESA mounting holes version optional
	K-TEK-M275TP-FN-BL-ML-FDT	Mountable flat desk top with VESA mounting holes version optional
	K-TEK-M275TP-FN-ML-OEM	Non-backlight version
	K-TEK-M275TP-FN-BL-ML-SS	With rugged stainless steel back plate optional

Part Number: K-TEK-M281TP-FN-BL-ML-OEM

Feature

IP65 dynamic sealed and ruggedized silicone rubber keyboard with full keyboard functionalities with sealed & ruggedized tough touchpad for fast and accurate cursor position, 12 FN keys (F1, F2...F11, F12) are on top line for easy operation, with gold finnish PCB with carbon-on-gold key switch technology with long stroke (1.50mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment. FN + Emergency combination key for easy cleaning via lock/disable the entire keyboard, avoid mis-operation during cleaning process, top panel mount solution. BACKLIGHT ON/OFF button to control keyboard turn on/off backlight, adjustable white backlight included. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.),and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	91+2 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.80KG
Dimension:	281.0mm x 177.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M302-FN-BL-ML

Feature

IP65 dynamic sealed and durable embedded silicone rubber rugged keyboard, with built-in military grade PCB, 12 function keys on top line for easy operation, with carbon-on-gold key switch technology with key stroke (1.50±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, key size of 15.0mm*14.5mm for easy operation without mis-typing, also ideal for users who wear gloves, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable the whole keyboard without needing to take away the keyboard from PC, rear panel mounted solution and adjustable white backlight included, with a reinforced and rugged metal back plate for better shielding function and positioning of the rugged cable outlet. Built to meet MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, fungus etc.), which can also meet the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	87 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.60KG
Dimension:	302.0mm x 121.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M276TP-FN-BL-ML-OEM

Feature

IP65 dynamic sealed and ruggedized silicone rubber keyboard with full keyboard functionalities with sealed and ruggedized tough touchpad for fast and accurate cursor position, with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN key to lock/disable the keyboard for easy cleaning without taking the keyboard from PC, top panel mounted. Adjustable industrial backlight included, military level. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	87+2 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.80KG
Dimension:	281.0mm x 152.5mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Optional Configuration	Part Number	Remark
	K-TEK-M276TP-FN-BL-ML-FDT	Mountable super flat desk top version optional
	K-TEK-M276TP-FN-BL-ML-SS	Customized back plate with red backlight
	K-TEK-M276TP-FN-BL-ML-SS	With rugged stainless steel back plate optional

Part Number: K-TEK-M284-FN-BL-IL-OEM

Feature

IP65 dynamic waterproof industrial silicone rubber keyboard, with carbon-on-gold key switch 12 FN keys (F1, F2...F11, F12) on top line for easy operation, industrial PCB with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise, durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment, top panel mounting solution, with industrial white backlight included. Military level optional. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	89 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.45KG
Dimension:	284.0mm x 109.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +70℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Optional Configuration	Part Number	Remark
	K-TEK-M284-AC-FN-BL-IL-OEM	Dot matrix interface optional
	K-TEK-M284-FN-IL-OEM	Non-backlight version
	K-TEK-M284-FN-BL-IL-OEM	White backlight

Part Number: K-TEK-M284TP-FP-FN-BL

Feature

IP65 dynamic water proof sealed & ruggedized silicone rubber keyboard with full keyboard functionalities with sealed & rugged tough touchpad (with fingerprint reader function) for fast and accurate cursor position, 12 FN keys (F1, F2...F11, F12) are on the top line for easy operation, with carbon-on-gold key switch technology with key stroke (1.50±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable the entire keyboard, avoid mis-operation during cleaning process, adjustable backlight included, Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD- 461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	90+2 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.80KG
Dimension:	284.8mm x 179.5mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +70℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Optional Configuration	Part Number	Remark
	K-TEK-M284TP-FP-FN-BL	Back view
	K-TEK-M284TP-FP-FN-BL-FDT	Mountable super flat desk top version optional
	K-TEK-M284TP-FN-BL	Without fingerprint reader function optional
	K-TEK-M284TP-FN-BL-FDT	Mountable flat desk top version and without fingerprint reader function optional

Part Number: K-TEK-M286-TPT-FN-BL-ML

Feature

IP65 dynamic sealed and durable embedded silicone rubber rugged keyboard with built-in military grade PCB, with a small blue Trackpoint, it can accurately sense the pressure direction and pressure changes of the finger, thereby accurately control the movement direction and speed of the X and Y directions, 12 function keys on top line for easy operation, with carbon-on-gold key switch technology with key stroke (1.50±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable whole keyboard without needing to take away the keyboard from PC, rear panel mounted, with a reinforced and rugged metal back plate for better shielding function and positioning of the rugged cable outlet. Adjustable white backlight included. Designed to meet MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.),and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	90 keys (including left and right mouse buttons)
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.80KG
Dimension:	286.0mm x 113.0mm (Front panel)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65 dynamic (front panel)
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M302-FN-BL-ML

Feature

IP65 dynamic sealed and durable embedded silicone rubber rugged keyboard, with built-in military grade PCB, 12 function keys on top line for easy operation, with carbon-on-gold key switch technology with key stroke (1.50±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, key size of 15.0mm*14.5mm for easy operation without mis-typing, also ideal for users who wear gloves, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable the whole keyboard without needing to take away the keyboard from PC, rear panel mounted solution and adjustable white backlight included, with a reinforced and rugged metal back plate for better shielding function and positioning of the rugged cable outlet. Designed to meet MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.),and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	87 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.80KG
Dimension:	302.0mm x 121.0mm (Front panel)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M306HP-FN-BL-ML-DT

Feature

IP68 dynamic sealed and ruggedized silicone rubber military keyboard with a Force Sensing Resistor pointing device for fast and accurate cursor position, 12 FN keys (F1, F2...F11, F12) are on top line for easy operation, with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key to lock/disable the keyboard for easy cleaning without needing to take away the keyboard from PC, standard alone movable desk top version with fully stainless steel metal housing, with red backlight included. Military level. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	83+2 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈1.80KG
Dimension:	306.6mm x 182.0mm x 21.5mm(L x W x H)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP68
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M315KP-FN-ML

Feature

IP65 dynamic sealed and durable embedded silicone rubber rugged keyboard, with built-in military grade PCB, 12 function keys on top line for easy operation, with carbon-on-gold key switch technology with key stroke (1.50±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable whole keyboard without needing to take away the keyboard from PC, rear panel mounted, with a reinforced and rugged aluminum back plate for better shielding function and positioning of the rugged cable outlet. Built to meet MIL-STD-810F (wide temperature, shock, salt mist, vibration, fungus, humidity etc.), which can also meet the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	102 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.60KG
Dimension:	270.0mm x 113.0mm (L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M315KP-FN-BL-ML

Feature

IP65 dynamic sealed and durable embedded silicone rubber rugged keyboard, with built-in military gradePCB, with numeric keypad on the right side of keyboard and 12 function keys on top line for easy operation, with carbon-on-gold keyswitch technology with key stroke (1.50±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable whole keyboard without needing to take away the keyboard from PC, rear panelmounted, with a reinforced and rugged aluminum back plate for better shielding function and positioning of the rugged cable outlet. Adjustable white backlight included. Built to meet MIL-STD-810F (wide temperature, shock, salt mist, vibration, fungus, humidity etc.), MIL-STD-461G-EMC-EMI-EMS-ESD optional, which can also meet the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	102 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.80KG
Dimension:	315.0mm x 108.0mm (L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M315TP-FN-BL-ML

Feature

IP65 dynamic sealed & durable embedded military silicone rubber keyboard integrated with sealed tough touchpad for fast cursor position, with built-in military grade PCB, 12 function keys on top line for easy operation, with carbon-on-gold key switch technology with key stroke (1.50±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable whole keyboard without needing to take away the keyboard from PC, panel mount with super thin ruggedized aluminum back plate with mounting holes, with a reinforced and rugged aluminum back plate for better shielding function and positioning of the rugged cable outlet, adjustable white backlight included. Built to meet MIL-STD-810F (wide temperature, shock, salt mist, vibration, fungus, humidity etc.). Which can also meet the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	87+2 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.60KG
Dimension:	315.0mm x 108.0mm (L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M315KP-FN-BL-ML+M73TP

Feature

IP65 dynamic sealed & ruggedized silicone rubber keyboard with sealed tough touchpad with 400DPI resolutions for accurate and fast cursor position, with numeric keypad on the right side of keyboard and 12 function keys on top line for easy operation, with carbon-on-gold key switch technology with key stroke (1.50±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable whole keyboard, panel mount with super thin ruggedized aluminum back plate with mounting holes, adjustable industrial white backlight included. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	102+2 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.70KG
Dimension:	Keyboard:315.0mm x 108.0mm(L x W); Touchpad:73.0mm x 76.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Optional Configuration	Part Number	Remark
	K-TEK-M315KP-FN-BL-ML	Without touchpad optional
	K-TEK-M315KP-FN-ML	Without backlight optional
	K-TEK-M315TP-FN-BL-ML	Integrated touchpad optional

Part Number: K-TEK-M366-OTB-KP-FN-BL-DT

Feature

IP68 dynamic waterproof sealed & ruggedized silicone rubber Hygienic keyboard with full keyboard functionalities, sealed & ruggedized IP68 dynamic 25.0mm optical trackball module with 800 DPI resolutions for fast and accurate cursor position, integrated numeric keypad and 12 FN keys (F1, F2...F11, F12), with carbon-on-gold key switch technology with key stroke (1.50mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning without disconnecting the keyboard and computer, mountable desk top version with robust polycarbonate case with VESA and AMPS mounting holes on the backside. Adjustable white backlight included to fit for dim or dark environment. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

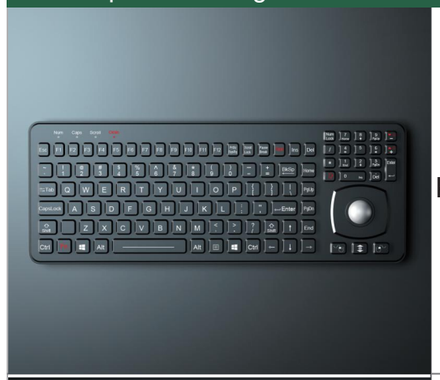
Keys:	111 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈1.20KG
Dimension:	369.6mm x 139.8mm x 19.6mm(L x W x H)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP68
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Optional Configuration	Part Number	Remark
	K-TEK-M366-OTB-KP-FN-BL-OEM	Top panel mount version optional
	K-TEK-M366KP-FN-BL-DT	Without trackball optional
	K-TEK-M366TP-KP-FN-BL-DT	Integrated touchpad optional
	K-TEK-M366TP-KP-FN-BL-OEM	Top panel mount with touchpad optional

Part Number: K-TEK-M368-OTB-FN-BL-DT

Feature

IP68 dynamic sealed & ruggedized industrial silicone rubber industrial keyboard with full keyboard functionalities,IP68 dynamic rated 16.0mm optical trackball module with 800 DPI resolutions for fast and accurate cursor position, 12 function keys and industrial PCB with carbon-on-gold key switch technology with long stroke (1.50mm±0.1mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN key for easy cleaning via locking/ disable the entire keyboard without needing to take the keyboard from PCB, movable stand alone desk top version with IP68 dynamic washable sealed aluminum metal housing with sand blasting & oxygenation surface treatment, adjustable industrial backlight included, Designed to meet with MIL-STD-810F(high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	83+3 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈2.00KG
Dimension:	368.0mm x 142.9mm x (18.0mm-31.0mm)(L x W x H)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP68
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +70℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M375KP-FN-DT

Feature

IP68 dynamic sealed & ruggedized industrial silicone rubber Hygienic keyboard, integrated sealed numeric keypad, function keys and industrial PCB with carbon-on-gold key switch technology with 1.50mm key stroke with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment, FN+ CLEAN key for easy cleaning via locking/disable the whole keyboard without needing to take away the keyboard from PC, movable stand alone desk top version, adjustable industrial backlight optional. Designed to meet with MIL-STD-810F(high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	106 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈1.30KG
Dimension:	379.0mm x 140.0mm x15.5mm(L x W x H)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA
Connect Interface:	USB/PS2 optional
	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP68
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +70℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M376KP-FN-DT-AL

Feature

IP68 dynamic sealed & ruggedized industrial silicone rubber industrial keyboard, integrated numeric keypad, 24 function keys (F1, F2...F11, F12...F23, F24) and industrial PCB with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment, FN+CLEAN key for easy cleaning via locking/ disable the entire keyboard, movable stand alone desk top version with IP68 dynamic washable sealed aluminum metal housing with sand blasting & oxygenation surface treatment, adjustable industrial backlight optional. Designed to meet with MIL-STD-810F(high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	116 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈2.00KG
Dimension:	376.0mm x 170.0mm x19.5mm(L x W x H)

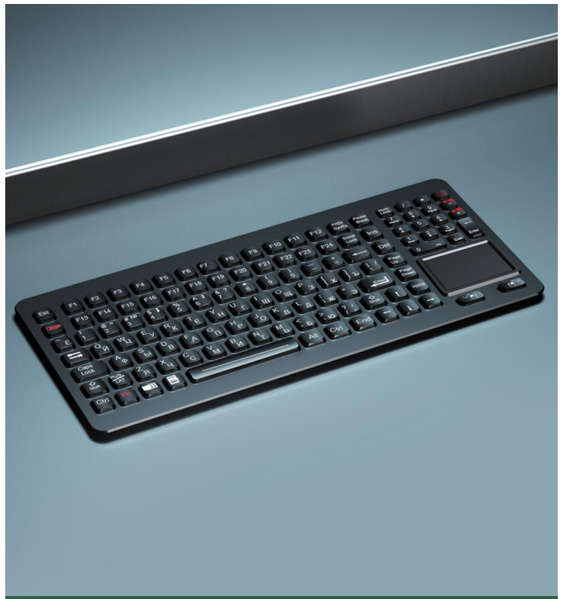
Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA
Connect Interface:	USB/PS2 optional
	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP68
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +70℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Optional Configuration	Part Number	Remark
	K-TEK-M376KP-FN-DT-SS	Movable desk top version with stainless steel housing optional
	K-TEK-M376KP-FN-DT-SS-FM	Desk top version with stainless steel mounting plate and holes on both sides optional
	K-TEK-M376KP-FN-OEM	Rear panel mounted solution



Part Number: K-TEK-M379TP-KP-FN-BL-ML-OEM

Feature

IP65 dynamic rated & ruggedized silicone rubber military keyboard with full keyboard functionalities,integrated numeric keypad and 24 FN keys (F1, F2...F11, F12...F23, F24) on upper line, sealed & ruggedized tough touchpad for fast and accurate input, with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment, FN+ CLEAN combination key for easy cleaning via locking/disable the entire keyboard without needing to take away the keyboard from PC, top panel mounted solution with exposed PCBA without any cover and sealed along the edge by glue/adhesive, adjustable red backlight Included, Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	118+2 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.80KG
Dimension:	379.0mm x 169.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Optional Configuration	Part Number	Remark
	K-TEK-M379TP-KP-FN-ML-OEM	Non-backlight version
	K-TEK-M379TP-KP-FN-BL-IL-OEM	-20℃ to +60℃ optional
	K-TEK-M379TP-KP-FN-BL-ML-SS	With rugged stainless steel back plate optional
	K-TEK-M379TP-KP-FN-DT	Rugged stainless steel housing for desktop solution

Part Number: K-TEK-M379-OTB-KP-FN-BL-ML-OEM

Feature

IP65 dynamic rated ruggedized silicone rubber Hygienic keyboard with full keyboard functionalities,integrated numeric keypad and 24 FN keys (F1, F2...F11, F12...F23, F24), sealed & ruggedized IP68 dynamic 25.0mm optical trackball module with 800 DPI resolution for fast and accurate cursor position, PCB with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable whole keyboard, top panel mounted solution with exposed PCBA without any cover and sealed along the edge by glue/adhesive, adjustable backlight included, Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	118+3 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈1.00KG
Dimension:	379.0mm x 169.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Optional Configuration	Part Number	Remark
	K-TEK-M379-OTB-KP-FN-IL	Non-backlight version
	K-TEK-M379-OTB-KP-FN-BL-IL-OEM	-20℃ to +60℃ optional
	K-TEK-M379-OTB-KP-FN-BL-IL-SS	With rugged stainless steel back plate optional
	K-TEK-M379-OTB-KP-FN-BL-DT-FM	With rugged stainless steel metal housing optional

Part Number: K-TEK-M378KP-FN-BL-ML-OEM

Feature

IP65 sealed & ruggedized military silicone rubber keyboard, integrated with numeric keypad, 24 function keys (F1, F2...F11, F12...F23, F24) and military level PCB with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment, FN+ CLEAN key for easy cleaning via locking/disable the whole keyboard without needing to take away the keyboard from PC, panel mounted solution. Red standard color adjustable backlight included, Military level with wide temperature for your easy operation under -40° to +75°. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	118 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈1.60KG
Dimension:	378.0mm x 153.8mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M386KP-FN-BL-ML

Feature

IP65 dynamic sealed and durable embedded silicone rubber rugged keyboard, with built-in military grade PCB, with numeric keypad on the right side of keyboard and 12 function keys on top line for easy operation, with carbon-on-gold key switch technology with key stroke (1.50±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key for easy cleaning via lock/disable whole keyboard without needing to take away the keyboard from PC, rear panel mounted, with a reinforced and rugged aluminum back plate for better shielding function and positioning of the rugged cable outlet. Adjustable white backlight included. Designed to meet MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.),and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

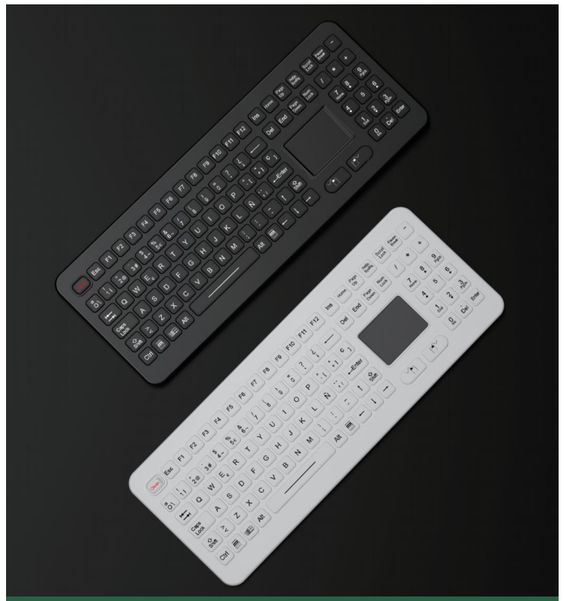
Keys:	105 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈0.90KG
Dimension:	386.0mm x 125.0mm (L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB, PS2 available
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M399TP-KP-FN

Feature

IP65 dynamic rated ruggedized industrial silicone rubber Hygienic keyboard with full keyboard functionalities with FN (F1, F2...F11, F12) on upper line, integrated numeric keypad, sealed & ruggedized tough touchpad for fast and accurate cursor position, industrial PCB with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment, Clean key for easy cleaning via lock/disable the keyboard, top panel mounted with 3.0mm oxygenation surface treatment aluminum back plate sealed with top ruggedized industrial silicone cover & Industrial carbon-on-gold PCB, adjustable industrial backlight optional. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	107+2 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈1.30KG
Dimension:	405.0mm x 155.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +70℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Optional Configuration	Part Number	Remark
	K-TEK-M399KP-FN	Without touchpad optional
	K-TEK-M396-OTB-KP-FN-DT	Integrated trackball optional
	K-TEK-M399TP-KP-FN-BL-DT	Desktop version with red backlight optional
	K-TEK- M396TP-KP-FN-DT	Inclined desktop with VESA mounting holes optional

Part Number: K-TEK-M400TP-FN-BL-FDT

Feature

IP68 dynamic sealed and ruggedized silicone rubber industrial keyboard with full keyboard functionality with sealed & tough IP65 touch pad for fast and accurate cursor position, 12 FN keys (F1, F2...F11,F12) are on the top line for easy operations, with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise,, FN+ CLEAN can lock the whole keyboard for easily clean the keyboard. with durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment. Aluminum housing electroplated with black titanium for full black color treatment to be scratch proof. With Adjustable industrial backlight(white backlight). Movable stand alone desk top version. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	87+2 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈2.00KG
Dimension:	400.0mm x 150.0mm x 20.0mm(L x W x H)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP68
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +70℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M418TP-FN-BL-ML-OEM

Feature

IP65 dynamic sealed and ruggedized silicone rubber keyboard with sealed & ruggedized tough touchpad, 12 FN keys (F1, F2... F11, F12) are on top line for easy operation, with carbon-on-gold key switch technology with long stroke (1.50mm±0.1mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment, FN + CLEAN combination key to lock/disable the keyboard for easy cleaning without needing to take away the keyboard from PC, with ruggedized stainless steel plate and surface covered with a black film, top panel mounted with threaded bolts, backlight optional. Military level, Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

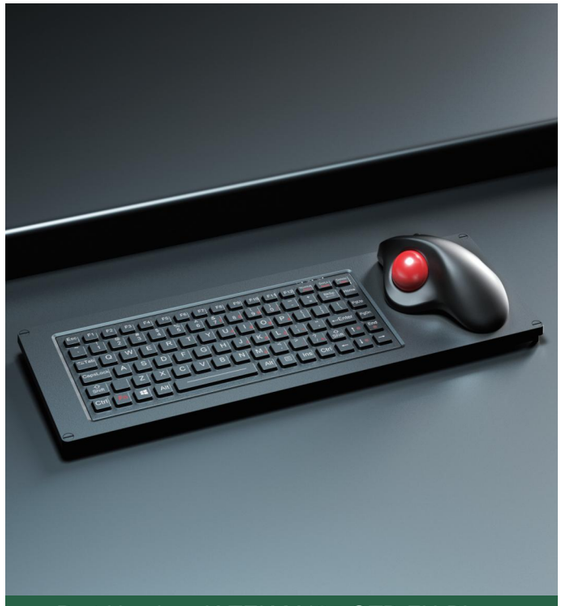
Keys:	83+2 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈1.80KG
Dimension:	418.0mm x 154.2mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +80℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M425-OTB-FN-BL

Feature

IP65 dynamic sealed & ruggedized silicone rubber keyboard, 12 FN function keys (F1, F2...F11, F12) on the top line for easy operation, integrated with a conventional mouse with middle wheel, left/right buttons as well as one IPX6 rating 34mm optical trackball mouse at 500~1000 DPI resolution for fast cursor moving, with carbon-on-gold key switch technology with key stroke (1.50±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, FN+CLEAN combination key for easy cleaning via locking/disable the entire keyboard, CNC aluminum housing electroplated with black titanium for full black color treatment to be scratch proof, Adjustable white backlight included. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	87+3 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈2.50KG
Dimension:	425.0mm x 150.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +70℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

键特电子 KEY TECHNOLOGY

Part Number: K-TEK-M263-FN-BL-BT-DWP

Feature

IP65 dynamic water proof & vandal proof stainless steel keyboard with individual robust & durable polymer keys, function keys (F1, F2...F11, F12) are on the top line for easy operation, totally sealed and ruggedized PCB with carbon-on-gold key switch technology with long stroke 1.50mm with extremely good tactile feeling for fast and accurate data input without any noise, FN + CLEAN combination key lock/disable the keyboard for easy cleaning and washing without taking out the keyboard from PC, one complete silicone rubber alone the top stainless steel plate for easy mounting & sealing tightly with cabinet, top stainless steel plate with welded studs for top panel mounted. High quality scratch-proof durable black titanium electroplated on the top stainless steel plate optional. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	82 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:2.0N±0.2N, Enter/Shift/Backspace Key:3.5N±0.2N
Gross Weight:	≈1.20KG
Dimension:	263.0mm x 130.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +75℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M270-FN-BL-IT-ML-DWP+M73TP

Feature

IP65 dynamic sealed and rugged durable embedded chiclet keyboard with polymer keys and combine with compact ruggedized touchpad with 2 mouse buttons for left/right clicking. 12 function keys (F1, F2...F11, F12) are on the top line for easy operation.Carbon-on-gold key switch technology with(1.20± 0.10)mm key travel with extremely good tactile feeling for fast and accurate data input without any noise.The whole keyboard is made of CNC aluminum alloy front plate + PC keycaps + carbon contact as well as military grade PCB. Durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment, rear panel mounted with mounting holes for rear panel mounting. FN + CLEAN combination keys for easy cleaning without taking the keyboard away from PC and avoid misoperation or mistyping. Adjustable white backlight included, Designed to meets MIL-STD-810F (wide temperature, shock, salt mist, vibration, fungus, humidity etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	86+2 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:1.0N±0.2N,Enter/Caps Lock/Shift/Tab/Backspace Key:1.5N±0.2N
Gross Weight:	≈0.70KG
Dimension:	Keyboard: 270.0mm x 110.0mm (L x W); Touchpad: 73.0mm x 76.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2/Dot matrix optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +70℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M270-FN-BL-IT-ML-DWP

Feature

IP65 dynamic sealed and rugged durable embedded chiclet compact keyboard with polymer keys, 12 function keys (F1, F2, ...F11, F12) are on the top line for easy operation. Carbon-on-gold key switch technology with (1.20mm±0.10mm)key travel with extremely good tactile feeling for fast and accurate data input without any noise.The whole keyboard is made of CNC aluminum alloy front plate + PC keycaps + carbon contact as well as military grade PCB. Durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, rear panel mounted with mounting holes for rear panel mounting. FN + CLEAN combination keys for easy cleaning without taking the keyboard away from PC to avoid misoperation or mistyping. Adjustable white backlight included, Designed to meets MIL-STD-810F (wide temperature, shock, salt mist, vibration, fungus, humidity etc.), and MIL-STD -461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	86 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:1.0N±0.2N,Enter/Caps Lock/Shift/Tab/Backspace Key:1.5N±0.2N
Gross Weight:	≈0.65KG
Dimension:	270.0mm x 110.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2/Dot matrix optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M275TP-FN-BL-ML-DWP

Feature

IP65 dynamic water proof vandal proof aluminum alloy ruggedized keyboard with durable polymer keys. The high quality ruggedized aluminum alloy top panel is processed by CNC. with 12 function keys (F1, F2...F11, F12) sealed and PCB with carbon-on-gold key switch technology with stroke 1.20mm with extremely good tactile feeling for fast and accurate data input without any noise, high quality durable black titanium spray-paint on the aluminum alloy panel, one complete silicone rubber along the top panel for easy mounting & sealing tightly with cabinet. Top panel mount solution. Adjustable white backlight included. FN + CLEAN combination keys for easy cleaning without taking the keyboard away from PC and avoid mis-operation or mis-typing. It is good for outdoor application. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	91+2 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:1.0N±0.2N,Enter/Caps Lock/Shift/Tab/Backspace Key:1.5N±0.2N
Gross Weight:	≈0.70KG
Dimension:	285.0mm x 179.7mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M280-OTB-FN-ML-BT-DWP

Feature

IP65 dynamic sealed & ruggedized silicone rubber keyboard, integrated with a IP68 washable 25mm silver resin optical trackball(stainless steel ball optional) with +800DPI resolution for fast cursor moving and 3 mouse buttons for right/left clicking as well as middle key for scrolling up and down with ball rolling. (F1, F2...F8, F9) are on top line for easy operation, F11 and F12 shall be operated with 2 nd Key as second key values, industrial PCB with carbon-on-gold key switch technology with 1.50mm key stroke with extremely good tactile feeling for fast and antimicrobial keyboard surface treatment to withstand most chemicals and liquids under harsh environment, top panel mounted solution with threaded bolts, with black titanium electroplated front stainless steel plate to be scratch proof and withstand salt spray, Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	69+3 keys
Key Travel:	1.50±0.20mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈1.20KG
Dimension:	280.0mm x 135.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈100mA
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M282-122-FN-BL-IT-ML-DWP+M73TP

Feature

IP65 dynamic water proof vandal proof ultrathin chiclet keyboard with durable polymer keys, sealed and ruggedized touchpad with 2 mouse buttons for left/right clicking. With 12 function keys (F1, F2, ...F11, F12) on top of keyboard, the whole keyboard is made of CNC aluminum alloy front plate + PC keycaps + carbon contact as well as integrated military grade PCB, carbon-on-gold key switch technology with 1.20mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, top panel mounted solution, adjustable white backlight included. FN + CLEAN combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Designed to meet MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity).

Mechanical Data

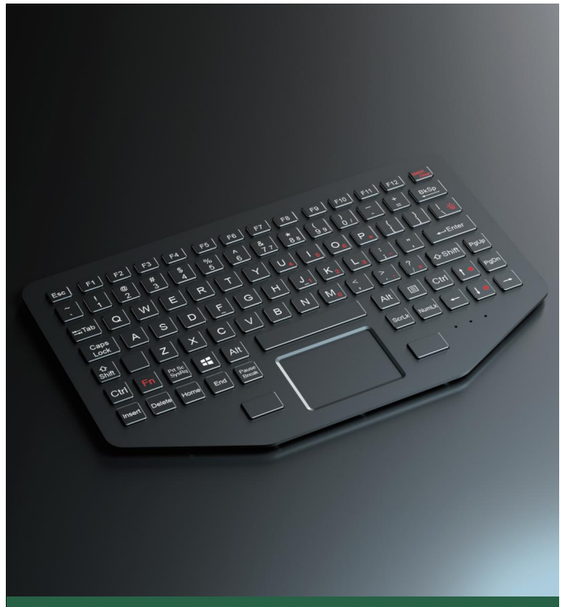
Keys:	86+2 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.0N±0.2N
Gross Weight:	≈0.80KG
Dimension:	Keyboard:282.0mm x 122.0mm(L x W); Touchpad:73.0mm x 76.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M285TP-FN-BL-ML-DWP

Feature

IP65 dynamic water proof vandal proof aluminum alloy ruggedized military standard wide temperature keyboard with durable polymer keys. The high quality ruggedized aluminum alloy top panel is processed by CNC. with 12 function keys (F1, F2, ...F11, F12,) sealed and PCB with carbon-on-gold key switch technology with stroke 1.20mm with extremely good tactile feeling for fast and accurate data input without any noise, high quality durable black titanium spray-paint on the aluminum alloy panel, stainless steel back plate . Adjustable white backlight included . FN + CLEAN combination keys for easy cleaning without taking the keyboard away from PC and avoid mis-operation or mis-typing. It is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, salt mist etc. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	90+2 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:1.0N±0.2N,Enter/Caps Lock/Shift/Tab/Backspace Key:1.5N±0.2N
Gross Weight:	≈0.70KG
Dimension:	285.0mm x 179.7mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2/Dot matrix optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M327KP-FN-BL-IT-ML-DWP

Feature

IP65 dynamic water proof vandal proof rugged chiclet keyboard with durable polymer keys, with 12 function keys (F1, F2, ...F11, F12,) and individual numeric keypad on the right part, the whole keyboard is made of CNC aluminum alloy front plate + PC keycaps + carbon contact as well as integrated military grade PCB, carbon-on-gold key switch technology with 1.20mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, rear panel mounted with mounting holes, adjustable white backlight included. FN + CLEAN combination keys for easy cleaning without taking the keyboard away from PC, and avoid mis-operation or mis-typing. Designed to meets MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	101 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:1.0N±0.2N,Enter/Caps Lock/Shift/Tab/Backspace Key:1.5N±0.2N
Gross Weight:	≈1.00KG
Dimension:	327.0mm x 111.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M327KP-FN-BL-IT-ML-DWP + M125TP

Feature

IP65 dynamic water proof vandal proof rugged chiclet keyboard with durable polymer keys, sealed and ruggedized touchpad with 2 mouse buttons for left/right clicking. With 12 function keys (F1, F2, ...F11, F12,) and individual numeric keypad on the right part, the whole keyboard is made of CNC aluminum alloy front plate + PC keycaps + carbon contact as well as integrated military grade PCB, carbon-on-gold key switch technology with 1.20mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, rear panel mounted with mounting holes, adjustable white backlight included. FN + CLEAN combination keys for easy cleaning without taking the keyboard away from PC, and avoid mis-operation or mis-typing. Designed to meets MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards:reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, andcontinuity.).

Mechanical Data

Keys:	101 + 2 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:1.0N±0.2N,Enter/Caps Lock/Shift/Tab/Backspace Key:1.5N±0.2N
Gross Weight:	≈1.20KG
Dimension:	Keyboard:327.0mm x 111.0mm(L x W); Touchpad:124.6mm x 97.6mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M327KP-FN-BL-IT-ML-DWP + M73TP

Feature

IP65 dynamic water proof vandal proof ultrathin chiclet keyboard with durable polymer keys, sealed and ruggedized touchpad with 2 mouse buttons for left/right clicking. With 12 function keys (F1, F2, ...F11, F12,) and individual numeric keypad on the right part, the whole keyboard is made of CNC aluminum alloy front plate + PC keycaps + carbon contact as well as integrated military grade PCB, carbon-on-gold key switch technology with 1.20mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, rear panel mounted with mounting holes, adjustable white backlight included. FN + CLEAN combination keys for easy cleaning without taking the keyboard away from PC, and avoid mis-operation or mis-typing. Designed to meets MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, andcontinuity.).

Mechanical Data

Keys:	101 + 2 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:1.0N±0.2N,Enter/Caps Lock/Shift/Tab/Backspace Key:1.5N±0.2N
Gross Weight:	≈1.20KG
Dimension:	Keyboard:327.0mm x 111.0mm(L x W); Touchpad:73.0mm x 76.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M334KP-FN-BL-ML-DWP

Feature

IP65 dynamic water proof vandal proof ruggedized keyboard with wide temperature, with durable polymer keys and 12 function keys (F1, F2...F11, F12) on the top line of keyboard. The high quality ruggedized aluminum alloy top panel is processed by CNC, sealed and ruggedized PCB with carbon-on-gold key switch technology with stroke 1.20mm with extremely good tactile feeling for fast and accurate data input without any noise, high quality durable black titanium spray-paint on the aluminum alloy panel, one complete silicone rubber along the top panel for easy mounting & sealing tightly with cabinet, front panel with countersunk hole for easy top panel mounting and maintenance. Adjustable backlight included (White or Red etc). FN + CLEAN combination keys for easy cleaning and avoid mis-operation or mis-typing. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	101 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:1.0N±0.2N,Enter/Caps Lock/Shift/Tab/Backspace Key:1.5N±0.2N
Gross Weight:	≈0.70KG
Dimension:	334.0mm x 118.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈30mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2/Dot matrix optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M334KP-FN-BL-ML-DWP + M73TP

Feature

IP65 dynamic water proof vandal proof aluminum alloy ruggedized military keyboard with sealed touchpad with 2 mouse buttons, with durable polymer keys. The high quality ruggedized aluminum alloy top panel is processed by CNC, with 12 function keys (F1, F2...F11, F12) sealed and ruggedized Military grade PCB with carbon-on-gold key switch technology with key stroke 1.20mm with extremely good tactile feeling for fast and accurate data input without any noise, high quality durable black titanium spray-paint on the aluminum alloy panel , one complete silicone rubber along the top panel for easy mounting & sealing tightly with cabinet, front panel with countersunk hole for easy top panel mounting. Adjustable white backlight included. FN + CLEAN combination keys for easy cleaning, and avoid mis-operation or mis-typing. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	101+2 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:1.0N±0.2N,Enter/Caps Lock/Shift/Tab/Backspace Key:1.5N±0.2N
Gross Weight:	≈0.75KG
Dimension:	Keyboard:334.0mm x 118.0mm(L x W); Touchpad:73.0mm x 76.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2/Dot matrix optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M343TP-FN-BL-BT-DWP

Feature

IP65 dynamic vandal proof industrial keyboard with individual durable and robust polymer keys, sealed & ruggedized tough touchpad for fast and accurate cursor position, with FN (F1,F2 ... F11, F12) on the top line for easy operation, with industrial PCB with carbon-on-gold key switch technology with key stroke (1.20±0.10mm) with extremely good tactile feeling for fast and accurate input without any noise, FN + CLEAN combination key lock/disable the keyboard for easy cleaning and washing without taking out the keyboard from PC, high quality durable black titanium electroplated on the top stainless steel plate included, adjustable industrial red backlight. rear panel mounted solution. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	85+3 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:2.0N±0.2N,Enter Key:3.5N±0.2N
Gross Weight:	≈1.60KG
Dimension:	343.0mm x 125.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +75℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M361TP-FN-BL-BT-DWP

Feature

IP65 dynamic water proof vandal proof stainless steel industrial keyboard with durable polymer keys and IP65 sealed touchpad module for fast and accurate coursor position, with fully sealed and ruggedized industrial PCB with carbon-on-gold key switch technology with long stroke (1.20mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, functional keys (F1, F2...F11, F12) are on the top line for easy operation. High quality durable black titanium electroplated on the top stainless steel plate, 2 mouse buttons designed for right & left clicking, strong durable polymer keys caps with laser technology for backlight out, with adjustable backlight(Red or Blue) included, FN + CLEAN key to lock/ disable the keyboard for easy cleaning, Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

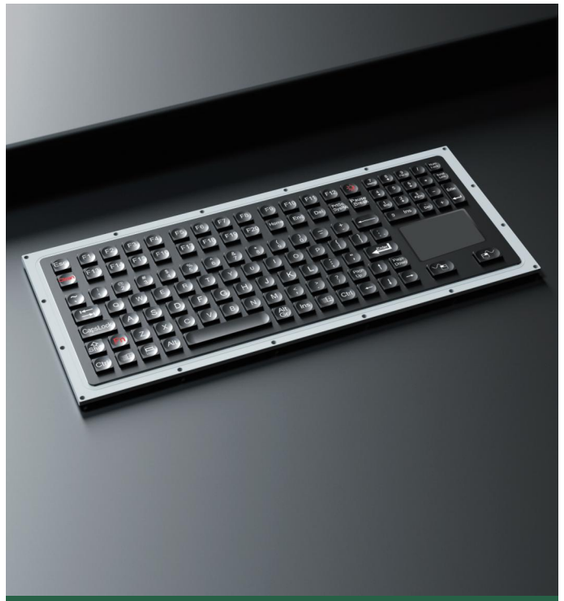
Keys:	82+2 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:2.0N±0.2N,Enter Key:3.5N±0.2N
Gross Weight:	≈1.60KG
Dimension:	361.0mm x 145.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +75℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M360TP-KP-FN-BT-DWP

Feature

IP65 dynamic water proof vandal proof stainless steel industrial keyboard with durable keys with full keyboard functionalities, IP65 dynamic sealed & ruggedized tough touchpad for fast and accurate cursor position, function keys (F1, F2...F11, F12) are on the top line for easy operation, sealed and ruggedized industrial PCB with carbon-on-gold key switch technology with long stroke 1.20mm with extremely good tactile feeling for fast and accurate data input without any noise, individual numeric keypad integrated, one complete silicone rubber alone the rear stainless steel plate easy mounting & sealing or tightly with cabinet, High quality scratch-proof durable black titanium electroplated on the top stainless steel plate. Rear panel mounted. Stainless steel back plate with holes for rear mounting solution. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

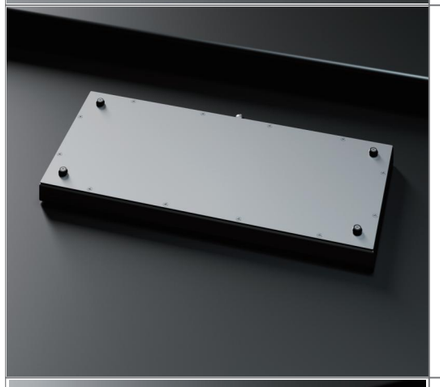
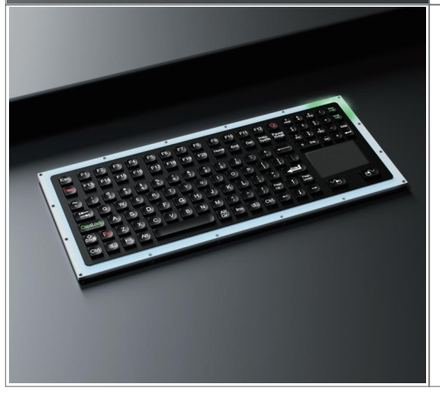
Keys:	114+2 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:2.0N±0.2N,Enter/Caps Lock/Shift/Tab/Backspace Key:3.5N±0.2N
Gross Weight:	≈1.60KG
Dimension:	360.0mm x 144.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +75℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Optional Configuration	Part Number	Remark
	K-TEK-M360-25-OTB-KP-FN-BL-BT-DWP	Integrated optical trackball module and with backlight optional
	K-TEK-M360-25-OTB-KP-FN-BL-DWP	With backlight/optical trackball/stainless steel front plate optional
	K-TEK-M360TP-KP-FN-BL-DT-DWP	Desktop version with backlight optional
	K-TEK-M360TP-KP-FN-BL-BT-DWP	Backlight version

Part Number: K-TEK-M361-OTB-FN-BL-BT-DWP

Feature

IP65 dynamic water proof vandal proof stainless steel industrial keyboard with durable polymer keys and IP68 dynamic washable 38.0mm stainless steel optical trackball module with 800 DPI resolutions for fast and accurate cursor position, with fully sealed and ruggedized industrial PCB with carbon-on-gold key switch technology with long stroke (1.20mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, functional keys (F1, F2...F11, F12) are on the top line for easy operation. High quality durable black titanium electroplated on the top stainless steel plate, 3 mouse buttons designed for right & left clicking and scrolling up and down with ball rolling, strong durable polymer keys caps with laser technology for backlight out, with adjustable backlight(Red or Blue) included, FN + CLEAN key to lock/disable the keyboard for easy cleaning, Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	82+3 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:2.0N±0.2N, Enter Key:3.5N±0.2N
Gross Weight:	≈1.70KG
Dimension:	361.0mm x 145.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +75℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Optional Configuration	Part Number	Remark
	K-TEK-M361-CTB-FN-BL-BT-DWP	Backlight chameleon trackball module optional
	K-TEK-M361-MTB-FN-BL-BT-DWP	Mechanical trackball module optional
	K-TEK-M361-OTB-FN-BL-BT-DT-DWP	Movable desktop version optional

Part Number: K-TEK-M376TP-FN-BL-IL-DWP

Feature

IP65 dynamic water proof vandal proof stainless steel industrial keyboard with durable polymer keys with full keyboard functionalities, function keys (F1, F2...F11, F12) are on the top line for easy operation, sealed and ruggedized Industrial PCB with carbon-on-gold key switch technology with long stroke (1.20mm±0.10mm)with extremely good tactile feeling for fast and accurate data input without any noise, one complete silicone rubber along the rear stainless steel plate for easy mounting & sealing tightly with cabinet, top panel with thread bolt for top panel mounted. Adjustable backlight(White,Blue or Red) included. FN + Lock key to lock/disable the keyboard for easy cleaning, Which is good for the outdoor application with direct rain and very harsh environments with humidity,much dynamic water,oil, dirt,salt mist etc. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	86+2 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:2.0N±0.2N, Enter/Caps Lock/Shift/Backspace Key:3.5N±0.2N
Gross Weight:	≈1.70KG
Dimension:	376.0mm x 137.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +75℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M380-OTB-BL-BT-IL-DWP

Feature

IP65 dynamic vandal proof industrial keyboard with individual durable and robust polymer keys. With IP68 dynamic washable 38mm robust silver harden resin with +800DPI high resolutions for fast and accurate cursor position ,Stainless steel optical trackball module is optical. Industrial PCB with carbon-on-gold key switch technology with key stroke(1.20mm±0.10mm) with extremely good tactile feeling for fast and accurate input without any noise, high quality durable black titanium electroplated on the top stainless steel plate included, adjustable industrial Red backlight included.FN + CLEAN key to lock/disable the keyboard for easy cleaning, which is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, dirt, salt mist etc. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	73+3 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:2.0N±0.2N, Enter/Caps Lock/Shift/Tab Key:3.5N±0.2N
Gross Weight:	≈1.70KG
Dimension:	380.0mm x 108.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +75℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M380-OTB-BT-IL-DWP

Feature

IP65 dynamic vandal proof industrial keyboard with individual durable and robust polymer keys. With IP68 dynamic washable 38.0mm Stainless steel optical trackball module with +800DPI high resolutions for fast and accurate cursor position. Robust Silver harden resin optical trackball is optional. Industrial PCB with carbon-on-gold key switch technology with key stroke (1.20mm±0.10mm) with extremely good tactile feeling for fast and accurate input without any noise, high quality durable black titanium electroplated on the top stainless steel plate included. FN + CLEAN key to lock/disable the keyboard for easy cleaning, which is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, dirt, salt mist etc, direct drain pipe is optional, no rust risk and anti-salt spray corrosion. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	73+3 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:2.0N±0.2N, Enter/Caps Lock/Shift/Tab Key:3.5N±0.2N
Gross Weight:	≈1.70KG
Dimension:	380.0mm x 108.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈100mA
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +75℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M380-OTB-DWP

Feature

IP65 dynamic vandal proof industrial keyboard with individual durable and robust polymer keys. With IP68 dynamic washable 38.0mm Stainless steel optical trackball module with +800DPI high resolutions for fast and accurate cursor position, robust Silver harden resin optical trackball optional. Industrial PCB with carbon-on-gold key switch technology with key stroke (1.20mm±0.10mm) with extremely good tactile feeling for fast and accurate input without any noise, Stainless steel rear plate and sealing gasket with mounting holes for real panel mounting. FN + CLEAN key to lock/disable the keyboard for easy cleaning without taking away the keyboard from PC, which is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, dirt, salt mist etc, no rust risk and anti-salt spray corrosion. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	73+3 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:2.0N±0.2N, Enter/Caps Lock/Shift/Tab Key:3.5N±0.2N
Gross Weight:	≈1.70KG
Dimension:	380.0mm x 108.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈100mA
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +75℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M383TP-KP-FN-DT-DWP

Feature

IP68 dynamic water proof & vandal proof stainless steel industrial keyboard with individual durable and robust polymer keys with full keyboard functionalities. with carbon-on-gold key switch technology with long stroke(1.20mm±0.10mm)with extremely good tactile feeling for fast and accurate data input without any noise,function keys (F1, F2...F19, F20) are on the top line for easy operation, individual numeric keypad integrated, with integrated IP65 sealed and ruggedized tough touchpad for fast and accurate cursor position, one complete silicone rubber alone the rear stainless steel plate for easy mounting & sealing tightly with cabinet. High quality scratch-proof durable black titanium electroplated on the top stainless steel plate optional, Movable desktop version.The full keyboard can be locked/ disabled via FN + CLEAN combination keys for easy cleaning. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	114+2 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:2.0N±0.2N, Enter/Caps Lock/Tab/Backspace Key:3.5N±0.2N
Gross Weight:	≈2.50KG
Dimension:	383.0mm x 167.0mm x 21.5(L x W x H)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP68
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +75℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M405-38-MTB-60-FN-DWP

Feature

IP65 dynamic water proof vandal proof stainless steel industrial keyboard with silicone keys(white/grey color) for comfortable and quiet typing, with integrated IP65 static 38.0mm stainless steel mechanical trackball module in 400 DPI resolutions for fast and accurate cursor position(black hardened resin mechanical trackball module optional), 12 function keys (F1, F2...F11, F12) are on the top line for easy operation, with carbon-on-gold key switch technology with long stroke (1.40mm±0.10mm). High quality durable elegant grey spray-paint on the SUS304 front plate surface to withstand the corrosion from water/salt mist etc. 3 LEDs for CapsLock/Num Lock/Scroll Lock to indicate on/off, with brushed SUS304 stainless steel back plate and shielding boxes to protect electronics, FN + CLEAN keys to lock/disable the keyboard for easy cleaning, Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	86+2 keys
Key Travel:	1.40±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.6N±0.2N
Gross Weight:	≈2.00KG
Dimension:	405.0mm x 135.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +75℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M405TP-FN-DWP

Feature

IP65 dynamic water proof vandal proof stainless steel industrial keyboard with silicone keys(white or grey color) for comfortable and quiet typing, and 12 function keys (F1, F2...F11, F12) are on the top line for easy operation, sealed and ruggedized industrial PCB with carbon-on-gold key switch technology with long stroke (1.40mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, High quality durable elegant grey spray-paint on the SUS304 front plate surface to withstand the corrosion from water/salt mist. 3 LEDs for CapsLock/Num Lock/Scroll Lock to indicate on/off, with brushed SUS304 stainless steel back plate and shielding boxes to protect electronics, FN + CLEAN key to lock/disable the keyboard for easy cleaning, which is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, dirt, salt mist etc. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	86+2 keys
Key Travel:	1.40±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.6N±0.2N
Gross Weight:	≈1.70KG
Dimension:	405.0mm x 135.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +75℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Part Number: K-TEK-M464-DTP-DHP-FN-BL

Feature

IP65 dynamic sealed & ruggedized silicone rubber keyboard, with sealed and tough touch pad and Force Sensing Resistor pointing device for fast and accurate cursor position, 12 function keys on top line for easy operation, with carbon-on-gold key switch technology with key stroke (1.50±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, FN+ CLEAN combination key to lock/disable the whole keyboard for easy cleaning without disconnecting the keyboard from computer, adjustable white backlight included. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	87+4 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.5N±0.2N
Gross Weight:	≈1.62KG
Dimension:	464.0mm x 182.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(with backlight off); ≈300mA(with backlight on)
Connect Interface:	USB/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +70℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.