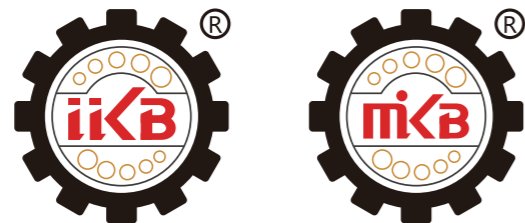


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KEY TECHNOLOGY CHINA LIMITED



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RUGGED KEYBOARD AND MOUSE CATALOGUE

Rugged Keyboards and Mice Expert



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Company Profile

Established in 2006, Key Technology China Limited is an ISO9001-2015 and GJB9001C-2017 registered enterprise engaged in research, development, sale and service of all kinds of rugged keyboards/pointing devices for harsh environments covering industrial/military/marine/medical/coal and mine/oil and gas/chemical industry/transportation/finance/aerospace/public access/food and beverage/vehicle etc. applications. We have excellent and experienced teams who focus on product development & design, quality control and company running, dedicated to strict quality control and thoughtful customer service, our experienced staff are always available to provide ideal solutions to customers. Besides, our products have obtained many professional certificates/testing reports including but not limited to CE, RoHS, FCC, ESD, REACH, IEC60945-2002, MIL-STD-461G-EMC-EMI-EMS-ESD, MIL-STD-810H, IP67, IP68, Medical, Explosive-proof, high and low temperature testing as well as patent certificates.

Advantages of this series of products

1. NO MOQ
2. Designed to meet MIL-STD-461G-EMC-EMI-EMS-ESD
3. Fully sealed and ruggedized, dynamic waterproof patented technology
4. Solve the problem of heavy tactile feeling of silicone rubber keyboards
5. Various mounting solutions available, with threaded bolts/sinking holes or sealed with glue
6. Solve the defects of regular silicone rubber keyboard and membrane scissor switch keyboards that are not vandal proof or resistant to prying or scratch
7. Designed to meet MIL-STD-810H (high and low wide temperature of -40°C to + 75°C, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)
8. Designed to meet these 10 critical standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity
9. Flexible installation dimension, plate can be enlarged upon request based on same circuit board and fully waterproof silicone gasket etc.

Disadvantages of this series of products

1. The whole rugged structure is a bit thicker and heavier
2. Multiple CNC processing key holes, complex and expensive surface treatment process
3. Gaps between rugged frame and keys which is not good to withstand dust and sandstorm
4. When pressing the side or four corners of keys, the four corners and sides of keys cannot fall at the same time due to its internal structure, and might be tilt;

★ Patent No.: ZL 2024 2 0691655.7

CONTENTS

01

Ultra Rugged Chiclet Keyboard

Product Application



★ Feature and Reliability ★

EMC SPEC	MIL-STD-461G (EMC, EMI, EMS, ESD)
01	CE101 25Hz - 10kHz Conducted Emissions, Audio Frequency Currents, Power leads
02	CE102 10kHz -10MHz Conducted Emissions, Radio Frequency Potentials, Power leads
03	CS101 25Hz - 150kHz Conducted Susceptibility, Power Leads
04	CS106 Conducted Susceptibility, Transients, Power Leads
05	CS112 Electrostatic Discharge Susceptibility
06	CS114 4kHz -400MHz Conducted Susceptibility, Bulk Cable injection
07	CS115 Conducted Susceptibility, Bulk Cable injection, Impulse Excitation
08	CS116 10kHz - 100MHz Conducted Susceptibility, Damped Sinusoidal Transients, Cables and Power Leads
09	RE101 25Hz -100kHz Radiated Emissions, Magnetic Field
1 0	RE102 10kHz - 18GHz Radiated Emissions, Electric Field
1 1	RS101 25HZ - 100kHz Radiated Susceptibility, Magnetic Field
1 2	RS103 10kHz - 40GHz Radiated Susceptibility, Electric Field

Environmental Adaptability	MIL-STD-810H (high and low wide temperature (-40°C-+75°C), low pressure (Altitude), humidity, vibration, shock, salt fog, temperature shock, drop, rain, sand & dust, fungus, solar radiation etc.)
01	Low Pressure (57kPa - 106kPa)
02	High Temperature (+75 °C)
03	Low Temperature (-40 °C)
04	Temperature Shock (-55 °C to +75 °C)
05	Rain Test (Wind velocity: no less than 18m/s, test duration: 3h)
06	Humidity (-30 °C to +60 °C, 95%RH)
07	Fungus (Test period: 28 days (672h))
08	Salt Spray (Test period: 96h, IEC60512-6)
09	Low Frequency Vibration
1 0	Dust Test (10.6g/m ³ ±7g/m ³)
1 1	Vibration (Frequency: 0-2000Hz, Displacement: 1mm, Acceleration:70m/s ²)
1 2	Shock (40g, 11ms)
1 3	Drop Test (Drop height: 122cm)

Designed to 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-M180-38-MTB-A/R-KP-19-BL-NV-151B-BT-DWP

Feature

IP65 dynamic water proof vandal proof stainless steel military keypad with durable polymer keys ,with IP65 static 38mm anti-vibration mechanical trackball module with 400 DPI resolutions, the trackball module is removable for easy cleaning. Sealed and ruggedized Military grade PCB with carbon-on-gold key switch technology with stroke(1 .20mm±0.10mm)with extremely good tactile feeling for fast and accurate data input without any noise, high quality durable black titanium electroplated on the top stainless steel plate ,one complete silicone rubber along the rear stainless steel plate for easy mounting & sealing tightly with cabinet, front panel with thread bolts for top panel mounting. Brightness of the keypad can be adjusted. The whole keypad and trackball part can meet which meets IEC60945-2002 ,MIL-STD-461G (EMC, EMI ,EMS,ESD)and MIL-STD-810H (high and low wide temperature ,low pressure ,humidity,vibration ,shock,temperature shock, rain ,dust ,fungus ,solar radiation etc.). Which is also designed to meet the critical military standards in these 10 aspects:reliability, safety,maintainability, testability,supportability,environmental adaptability,stability, compatibility,consistency,and continuity.

Mechanical Data

Keys:	19+3 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:	180.0mm x 125.0mm (front panel)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40 °C ~ +75 °C
Storage Temperature:	-45 °C ~ +85 °C
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-NV-151B-DWP

Feature

IP65 dynamic waterproof sealed and rugged durable embedded military chiclet keyboard with polymer keys , with built-in military grade PCB ,12 function keys(F1 ,F2F12)on the top line for easy operation,which is made of CNC aluminum alloy front plate +PC keycaps +carbon contact as well as military grade PCB,with carbon-on-gold key switch technology with1.20mm key travel with extremely good tactile feeling for fast and accurate data input without any noise.One complete silicone rubber along the top panel for easy mounting & sealing tightly with cabinet ,rear panel with through-hole for easy mounting and sealing.**FN +CLEAN** combination keys for easy cleaning without taking the keyboard away from PC and avoid mis-operation or mistyping.Adjustable white backlight included ,meet **MIL-STD-461G (EMC,EMI ,EMS, ESD)and MIL-STD-810H** (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:	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:	≈0.70KG
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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
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-IT-NV-151B-DWP +M73TP	Keyboard with touchpad
	K-TEK-M270-FN-BL-IT-NV-151B-DWP +TP80-DML+2KEY	Keyboard with touchpad



Part Number: K-TEK-M270-FN-BL-IT-NV-151B-DWP+TP80-DML+2KEY

Feature

IP65 dynamic sealed and rugged durable compact embedded chiclet keyboard with polymer keys, external with fully sealed independent waterproof wide-temperature touchpad for fast cursor position and 2 mouse buttons for left/right clicking. With numeric keypad on the right side of keyboard and 12 function keys(F1, F2, ... F12) on the top line for easy operation, which is made of CNC aluminum alloy front plate + PC keycaps + carbon contact as well as military grade PCB, with 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, with durable coating & anti-microbial keyboard surface withstand to most chemicals and liquids under harsh environment, rear panel mounted with mounting holes. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC and avoid mis-operation or mistyping. Adjustable white backlight included, Designed to meet **MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H** (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, salt mist, fungus, solar radiation etc.), 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:	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:	≈0.90KG
Dimension:	Keyboard: 270.0mm x 110.0mm (Front Panel), 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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
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-NV-151B-DWP+M73TP

Feature

IP65 dynamic sealed and rugged durable ultrathin embedded chiclet keyboard with polymer keys, sealed and ruggedized touchpad with 2 mouse buttons for left/right clicking, 12 function keys(F1, F2, ...F11,F12) on the top line for easy operation, which is made of CNC aluminum alloy front plate + PC keycaps + carbon contact as well as military grade PCB, with 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. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC and avoid mis-operation or mistyping. Adjustable white backlight included, meet **MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H** (wide temperature, shock, salt mist, vibration, fungus, humidity etc.) Which can also meet the critical military standards with 10 aspects: 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:	≈0.90KG
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:	≈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-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M291TP-FN-BL-ANA-151B-V02

Feature

IP65 dynamic waterproof sealed and rugged durable embedded wide temperature chiclet keyboard with polymer keys and integrated touchpad ,with built-in military PCB.12 function keys(F1 ,F2 ,...F12)on the top line.Which is made of CNC aluminum alloy front plate +PC key caps +carbon-on-gold key switch technology PCB,with 1.20mm key travel with extremely good tactile feeling for fast and accurate data input without any noise.One complete silicone rubber along the top panel for easy mounting & sealing tightly with cabinet ,top panel with mounting holes for convenient and quick mounting. **FN +CLEAN** combination keys for easy cleaning without taking the keyboard away from PC,and avoid mis-operation or mis-typing ,which is good for outdoor application with direct rain and very harsh environments with humidity,much dynamic water,oil ,salt mist etc.Adjustable white backlight included. Designed to meet **MIL-STD-461G (EMC,EMI ,EMS,ESD)and MIL-STD-810H** (high and low wide temperature , low pressure,humidity,vibration ,shock,temperature shock,rain , dust ,salt mist ,fungus ,solar radiation etc.),enabling reliable operation in Army,Navy,and Air environments,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:	89+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:	≈1.00KG
Dimension:	291.00mm x 185.69mm (L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M275TP-FN-BL-NV-151B-DWP

Feature

IP65 dynamic waterproof sealed and rugged durable embedded wide temperature chiclet keyboard with polymer keys and integrated touchpad ,with built-in military PCB.12 function keys (F1 ,F2 ,...F12)on the top line.Which is made of CNC aluminum alloy front plate +PC key caps +carbon-on-gold key switch technology PCB,with 1.20mm key travel with extremely good tactile feeling for fast and accurate data input without any noise. One complete silicone rubber along the top panel for easy mounting & sealing tightly with cabinet ,top panel mount solution. **FN +CLEAN** combination keys for easy cleaning without taking the keyboard away from PC,and avoid mis-operation or mis-typing,which is good for outdoor application with direct rain and very harsh environments with humidity,much dynamic water,oil , salt mist etc.Adjustable white backlight included. Designed to meet **MIL-STD-461G (EMC,EMI ,EMS,ESD)and MIL-STD-810H** (high and low wide temperature,low pressure,humidity,vibration , shock,temperature shock,rain ,dust ,salt mist ,fungus ,solar radiation etc.),enabling reliable operation in Army, Navy,and Air environments,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:	89+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:	≈1.00KG
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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
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-NV-151B-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-810H** (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**, 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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Optional Configuration

Part Number

Remark



K-TEK-M327KP-FN-BL-IT-NV-151B-DWP+M73TP

Keyboard with touchpad



K-TEK-M327KP-FN-BL-IT-NV-151B-DWP+M125TP

Keyboard with large-size touchpad



K-TEK-M327KP-FN-BL-IT-NV-151B-DWP+M127TP

Keyboard with large-size touchpad



Part Number: K-TEK-M327KP-FN-BL-IT-NV-151B-DWP+M125TP

Feature

IP65 dynamic water proof vandal proof ultra thin military chiclet keyboard with durable polymer keys and combine with compact sealed touchpad with 2 mouse buttons for left/right clicking. 12 function keys F1, F2, ... F12 are on the top of keyboard and numerical keypad are on the right part 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 (1.20±0.10mm) 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 meet **MIL-STD-461G (EMC, EMI, EMS, ESD)** and **MIL-STD-810H** (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, salt mist, fungus, solar radiation etc.), 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:	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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
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-NV-151B-DWP+M127TP

Feature

IP65 dynamic water proof vandal proof ultra thin military chiclet keyboard with durable polymer keys and combine with compact sealed touchpad with 2 mouse buttons for left/right clicking. 12 function keys F1, F2, ... F12 are on the top of keyboard and numerical keypad are on the right part 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 (1.20±0.10mm) 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 meet **MIL-STD-461G (EMC, EMI, EMS, ESD)** and **MIL-STD-810H** (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, salt mist, fungus, solar radiation etc.), 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:	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: 126.6mm x 99.6mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
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-NV-151B-DWP+M73TP

Feature

IP65 dynamic water proof vandal proof ultra thin military chiclet keyboard with durable polymer keys and combine with compact sealed touchpad with 2 mouse buttons for left/right clicking. 12 function keys F1, F2, ... F12 are on the top of keyboard and numerical keypad are on the right part 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 (1.20±0.10mm) 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 meet **MIL-STD-461G (EMC, EMI, EMS, ESD)** and **MIL-STD-810H** (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, salt mist, fungus, solar radiation etc.), 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:	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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M327TP-FN-BL-IT-NV-151B-DWP

Feature

IP65 dynamic water proof vandal proof rugged military chiclet keyboard with durable polymer keys, integrated touchpad and military grade PCB, 12 function keys (F1, F2, ... F12) are on the top line. 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-on-gold key switch technology with military PCB. One complete silicone rubber along the top panel for easy mounting & sealing tightly with cabinet. Super thin ruggedized aluminum back plate with mounting holes for rear panel mounting. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation and mis-typing. Which is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, salt mist etc. Adjustable white backlight included, with USB interface. Designed to meet **MIL-STD-461G (EMC, EMI, EMS, ESD)** and **MIL-STD-810 F** (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, salt mist, fungus, solar radiation etc.), 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:	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:	≈1.00KG
Dimension:	327.0mm x 111.0mm (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-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M327TP-FN-BL-NV-151B-DT-DWP

Feature

IP68 dynamic water proof vandal proof rugged military chiclet keyboard with durable polymer keys, integrated touchpad and military grade PCB, 12 function keys (F1, F2, ... F12) are on the top line. 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 key caps + carbon-on-gold key switch technology with military PCB. Movable stand alone Desk Top Version. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation and mis-typing. Which is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, salt mist etc. Adjustable white backlight included, with USB interface. Designed to meet **MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H** (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, salt mist, fungus, solar radiation etc.), 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:	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:	≈1.30KG
Dimension:	348.0mm x 132.0mm x (8.1mm~ 18.6mm) (L x W x H)

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-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP68
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M334KP-FN-BL-IT-NV-151B-DWP

Feature

IP65 dynamic waterproof sealed and rugged durable embedded chiclet keyboard with polymer keys, with built-in military grade PCB. 12 function keys (F1, F2, ... F11, F12) on the top line, which is made of CNC aluminum alloy front plate + PC keycaps + carbon contact as well as military grade PCB, with carbon-on-gold key switch technology with key travel 1.20mm with extremely good tactile feeling for fast and accurate data input without any noise, one complete silicone rubber along the top panel for easy mounting & sealing tightly with cabinet, top panel mount with sinking holes solution. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC, and avoid mis-operation or mis-typing. Adjustable white backlight included, meet **MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H** (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

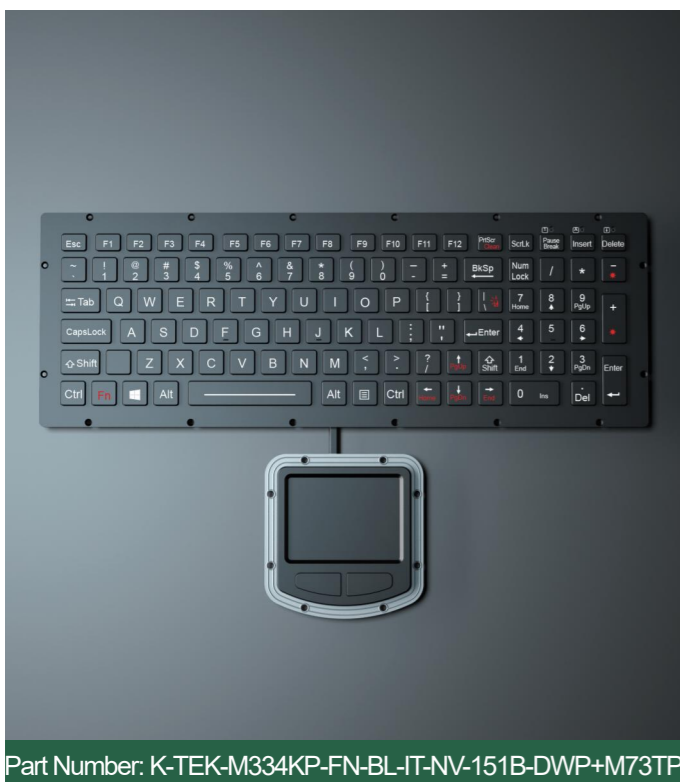
Keys:	101 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key: 1.0N±0.2N, Enter/Caps Lock/Shift/Tab/Backspace Key: 1.5N±0.2N
Gross Weight:	≈0.80KG
Dimension:	334.0mm x 118.0mm (L x W)

Electrical Data

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

Reliability

CE/FCC/ROHS, MIL-STD-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M334KP-FN-BL-IT-NV-151B-DWP+M73TP

Feature

IP65 dynamic sealed and rugged durable embedded chiclet keyboard with polymer keys, sealed and ruggedized touchpad with 2 mouse buttons for left/right clicking, 12 function keys (F1, F2, ...F11, F12) on the top line for easy operation, which is made of CNC aluminum alloy front plate + PC keycaps + carbon contact as well as military grade PCB, with 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 with mounting holes. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC and avoid misoperation or mistyping. Adjustable white backlight included, meet **MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H** (wide temperature, shock, salt mist, vibration, fungus, humidity etc.), which can also meet the critical military standards with 10 aspects: 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:	≈1.00KG
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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M338-122KP-FN-BL-NV-151B-DWP

Feature

IP65 dynamic water proof vandal proof rugged military chiclet keyboard with durable polymer keys. Integrated stepped aluminum alloy panel is processed by CNC. An additional black silicon gasket goes along with the top panel for easy mounting & sealing with cabinet. 12 function keys F1, F2, ... F12 are on top line of keyboard and numerical keypad at the right side of keyboard. Military grade PCB with carbon-on-gold key switch technology with key stroke (1.20mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise. It is made of CNC aluminum alloy front plate + PC keycaps + military grade PCB, High quality durable black titanium spray-paint on the aluminum alloy panel, Rear panel with mounting hole for rear panel mounting. Adjustable white backlight included. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC, and prevent misoperation or typo. Designed to meet **MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H** (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, salt mist, fungus, solar radiation etc.), which is good for outdoor application with direct rain and harsh environments with humidity, much dynamic water, oil, salt mist etc.

Mechanical Data

Keys:	101keys
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:	338.0mm x 122.0mm ((L x W)

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-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M338KP-129-OTB-FN-BL-NV-151B-DWP

Feature

IP65 dynamic water proof vandal proof rugged military chiclet keyboard with durable polymer keys and combine with ergonomic 34.0mm optical trackball module with 400~1000 DPI resolutions for fast and accurate fixing cursor position with extreme smooth operation without any noise. Integrated stepped aluminum alloy panel is processed by CNC. An additional black silicon gasket goes along with the top panel for easy mounting & sealing with cabinet. 12 function keys F1, F2, ... F12 are on top line of keyboard and numerical keypad at the right side of keyboard. Military grade PCB with carbon-on-gold key switch technology with key stroke (1.20mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise. It is made of CNC aluminum alloy front plate + PC keycaps + military grade PCB, High quality durable black titanium spray-paint on the aluminum alloy panel, Rear panel with mounting hole for panel mounting. Adjustable white backlight included. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC, and prevent misoperation or typo. Designed to meet **MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H** (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, salt mist, fungus, solar radiation etc.), which is good for outdoor application with direct rain and harsh environments with humidity, much dynamic water, oil, salt mist etc.

Mechanical Data

Keys:	101 keys, durable and robust polymer 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:	≈1.80KG
Dimension:	338.0mm x 122.0mm (front panel) 129.0mm x 174.0mm(top 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-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M350-38-MTB-FN-BL-NV-151B

Feature

IP65 dynamic sealed and rugged compact chiclet military keyboard with durable polymer keys. With military IP65 static 38.0mm black harden resin mechanical trackball module (stainless steel trackball is optional)in 400-1000 DPI resolutions for fast and accurate cursor movement. 12 function keys F1, F2, ... F12 are on the top line of keyboard. It is made of CNC Aluminum Alloy front plate + PC keycaps + military grade PCB, Carbon-on-gold key switch technology with stroke(1.20mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, **FN + CLEAN** combination keys to lock/disable keyboard for easy cleaning without taking away the keyboard from PC. Adjustable white backlight included. Secure the keyboard to the customer's device using a high-strength adhesive (Top panel with mounting holes or thread bolts are available). Dual USB interface.High quality durable black titanium spray-paint on the aluminum alloy panel. It is good for outdoor application with direct rain and very harsh environments with humidity,much dynamic water, oil, dirt, salt mist etc. The whole keyboard and trackball part can meet **MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H** (high and low wide temperature, low pressure, humidity, vibration,shock, temperature shock, rain,dust, salt mist, fungus, solar radiation etc.), 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:	86+3 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:	≈1.80KG
Dimension:	350.0mm x 116.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M390-MTB-FN-BL-NV-151B-DWP

Feature

IP65 dynamic sealed and rugged compact chiclet military keyboard with durable polymer keys. With military IP65 static 38.0mm black harden resin mechanical trackball module(stainless steel trackball is optional)in 400 DPI resolutions for fast and accurate cursor movement. 12 function keys F1, F2, ... F12 are on the top line of keyboard. It is made of stainless steel front plate + PC keycaps + military grade PCB, Carbon-on-gold key switch technology with stroke(1.20mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, **FN +CLEAN** combination keys to lock/disable keyboard for easy cleaning without taking away the keyboard from PC. Adjustable backlight included (Red or white).Stainless steel front plate with sealing gasket and threaded bolts for top panel mounting solution. Aviation plug or USB interface optional. It is good for outdoor application with direct rain and very harsh environments with humidity,much dynamic water, oil, dirt, salt mist etc. The whole keyboard and trackball part can meet **MIL-STD-461G (EMC, EMI, EMS, ESD)** and **MIL-STD-810H** (high and low wide temperature, low pressure, humidity, vibration,shock, temperature shock, rain, dust, salt mist, fungus, solar radiation etc.), 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:	89+3 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:	≈2.00KG
Dimension:	390.0mm 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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Optional Configuration

Part Number

Remark



K-TEK-M390-MTB-FN-BL-NV-151B-BT-DWP

With black titanium electroplated stainless steel plate



K-TEK-M390-MTB-FN-BL-NV-151B-DT-DWP

Desktop version



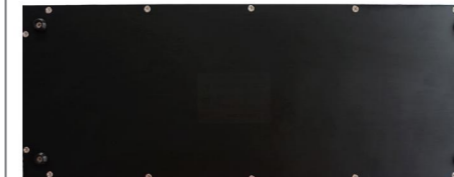
K-TEK-M390-MTB-AVR-FN-BL-NV-151B-BT-DWP

With black titanium electroplated stainless steel plate and removable & anti-vibration trackball



K-TEK-M390-MTB-AVR-FN-BL-NV-151B-DWP

With removable & anti-vibration trackball



K-TEK-M390TP-FN-BL-NV-151B-BT-DT-DWP

Desktop version, keyboard with touchpad



K-TEK-M390TP-FN-BL-NV-151B-BT-DWP

Keyboard with touchpad, and black titanium electroplated stainless steel plate



Part Number: K-TEK-M390-MTB-AVR-FN-BL-NV-151B-BT-DWP

Feature

IP65 dynamic water proof vandal proof stainless steel military chiclet keyboard with durable polymer keys ,with IP65 static anti-vibration and removable 38mm mechanical trackball module with 400 DPI resolutions,with 12 function keys F1 ,F2 ,...F12 on the top of keyboard ,sealed and ruggedized Military grade PCB with carbon-on-gold key switch technology with 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,front panel with thread bolts for top panel mounting. High quality durable black titanium electroplated on the top stainless steel plate.Red/white backlight is included.Aviation plug with USB interface or direct USB interface is available.The whole keyboard and trackball part can meet MIL-STD-461G (EMC,EMI,EMS,ESD)and MIL-STD-810H (high and low wide working temperature, low pressure,humidity,vibration ,shock,salt spray, temperature shock,drop,rain ,sand and dust ,fungus ,solar radiation etc.).It is good for outdoor application with direct rain and very harsh environments with humidity,much dynamic water, oil,dirt ,salt mist etc.

Mechanical Data

Keys:	89+3 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:	≈2.00KG
Dimension:	390.0mm x 145.0mm (front panel)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M390-MTB-AVR-FN-BL-NV-151B-DWP

Feature

IP65 dynamic water proof vandal proof stainless steel military chiclet keyboard with durable polymer keys ,with IP65 static anti-vibration and removable 38mm mechanical trackball module with400 DPI resolutions, with 12 function keys F1, F2, ... F12, sealed and ruggedized Military grade PCB with carbon-on-gold key switch technology with 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, front panel with thread bolts for top panel mounting. Red/white backlight is included. Aviation plug with USB interface or direct USB interface is available. The whole keyboard and trackball part can meet MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H (high and low wide working temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, drop, rain, sand and dust, fungus, solar radiation etc.).It is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, dirt, salt mist etc.

Mechanical Data

Keys:	89+3 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:	≈2.00KG
Dimension:	390.0mm 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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +60°C
Storage Temperature:	-45°C ~ +65°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M390-MTB-FN-BL-NV-151B-BT-DWP

Feature

IP65 dynamic water proof vandal proof stainless steel military keyboard with durable polymer keys, with IP65 static 38mm mechanical trackball module with 400~1000 DPI resolutions, with 12 function keys (F1, F2, ... F11,F12,) sealed and ruggedized Military grade PCB with carbon-on-gold key switch technology with stroke(1.20mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, high quality durable black titanium electroplated on the top stainless steel plate, one complete silicone rubber along the rear stainless steel plate for easy mounting & sealing tightly with cabinet, front panel with thread bolts for top panel mounting. Red/white backlight is included. The whole keyboard and trackball part can. Designed to meet with MIL-STD-461G-EMC-EMI-EMS-ESD, and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), 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:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:1.0N±0.2N,Enter/Caps Lock/Shift/Tab/Backspace Key:2.0N±0.2N
Gross Weight:	≈2.00KG
Dimension:	390.0mm 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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M390-MTB-FN-BL-NV-151B-DT-DWP

Feature

IP68 dynamic water proof vandal proof stainless steel military keyboard with durable polymer keys, with IP65 static 38mm mechanical trackball module with 400 DPI~1000 DPI resolutions, with 12 function keys (F1, F2, ... F11 F12,)sealed and ruggedized Military Grade PCB electronics module with carbon-on-gold key switch technology with stroke (1.20mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, high quality durable black titanium electroplated on whole keyboard plate and housing, one complete silicone rubber along the rear stainless steel plate, Movable stand alone DESK TOP VERSION. FN + CLEAN key to lock/disable the keyboard for easy cleaning without taking away the keyboard from PC. Red/ white backlight is included. The whole keyboard and trackball part can. Designed to meet with MIL-STD-461G-EMC-EMI-EMS-ESD, and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), 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:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:1.0N±0.2N,Enter/Caps Lock/Shift/Tab/Backspace Key:2.0N±0.2N
Gross Weight:	≈2.50KG
Dimension:	390.0mm 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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP68
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M390TP-FN-BL-NV-151B-BT-DWP

Feature

IP68 dynamic water proof vandal proof stainless steel military keyboard with durable polymer keys with full keyboard functionalities ,IP65 dynamic sealed &ruggedized tough touchpad for fast and accurate cursor position ,function keys F1 ,F2 ,...F12 are on the top line for easy operation,sealed and ruggedized military PCB with carbon-on-gold key switch technology with 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 and sealing tightly with cabinet, high quality durable black titanium electroplated on the top stainless steel plate ,Movable stand alone DESK TOP VERSION.**FN +CLEAN** key to lock/disable the keyboard for easy cleaning without taking away the keyboard from PC.Red /White backlight included.Aviation plug or USB interface optional.The whole keyboard can meet **MIL-STD-461G (EMC, EMI ,EMS,ESD)and MIL-STD-810 F** (wide temperature ,shock, salt mist ,vibration ,fungus ,humidity).It is good for outdoor application with direct rain and very harsh environments with humidity,much dynamic water,oil ,dirt ,salt mist etc.

Mechanical Data

Keys:	88+3 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:	≈3.00KG
Dimension:	390.0mm x 145.0mm 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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP68
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M390TP-FN-BL-NV-151B-BT-DWP

Feature

IP65 dynamic water proof vandal proof stainless steel military keyboard with durable polymer keys,with IP65 dynamic sealed &ruggedized tough touchpad for fast and accurate cursor position ,with 12 function keys F1 ,F2 ,...F12 ,sealed and ruggedized Military grade PCB with carbon-on-gold key switch technology with stroke(1 .20mm±0.10mm)with extremely good tactile feeling for fast and accurate data input without any noise ,**FN +CLEAN** combination keys to lock/disable keyboard for easy cleaning without taking away the keyboard from PC.High quality durable black titanium electroplated on the top stainless steel plate ,one complete silicone rubber along the rear stainless steel plate for easy mounting & sealing tightly with cabinet ,front panel with thread bolts for top panel mounting.Red/white backlight included.USB interface.Designed to meet **MIL-STD-461G-EMC-EMI-EMS-ESD &MIL-STD-810H** (high and low wide temperature ,low pressure, humidity,vibration ,shock ,temperature shock,rain , dust ,salt mist ,fungus ,solar radiation etc.),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:	88+3 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:	≈2.00KG
Dimension:	390.0mm x 145.0mm (front panel)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +60°C
Storage Temperature:	-45°C ~ +65°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M410-154-OTB-AVR-RM-FN-BL-151B-BT-DWP

Feature

IP65 dynamic sealed and rugged compact chiclet military keyboard with durable polymer keys. With IP65 38.0mm anti-vibration removable optical trackball with 800DPI for fast and accurate cursor movement. 2 sealed mouse buttons designed for right & left clicking, as well as one scroll wheel in the middle for scrolling up and down. 12 function keys F1, F2, ... F12 are on the top line of keyboard. It is made of Stainless steel front plate + PC keycaps + military grade PCB, Carbon-on-gold key switch technology with stroke(1.20mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, **FN +CLEAN** combination keys to lock/disable keyboard for easy cleaning without taking away the keyboard from PC. Adjustable white backlight included. Top panel with thread bolts for top panel mounting. Top panel with high quality durable black titanium plating. It 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 **MIL-STD-461G (EMC, EMI, EMS, ESD)** and **MIL-STD-810H** (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, salt mist, fungus, solar radiation etc.), 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:	91 keys (Including 2 mouse buttons)
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:	≈3.50KG
Dimension:	410.0mm x 154.0mm (front panel)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Optional Configuration	Part Number	Remark
	K-TEK-M410-154-MTB-AVR-RM-FN-BL-151B-BT-DWP	With removable & anti-vibration black mechanical trackball
	K-TEK-M410-38-MTB-AVR-FN-BL-NV-151B-SDT	Swivel-mounted desktop version



Part Number: K-TEK-M410-154-MTB-AVR-RM-FN-BL-151B-BT-DWP

Feature

IP65 dynamic sealed and rugged Chiclet military keyboard with IP65 38.0mm anti-vibration removable black resin mechanical trackball with 400DPI for fast and accurate cursor movement. 2 sealed mouse buttons designed for right & left clicking, as well as one scroll wheel in the middle for scrolling up and down. 12 function keys F1, F2, ... F12 are on the top line of keyboard. It is made of stainless steel front plate + PC keycaps + military grade PCB, Carbon-on-gold key switch technology with stroke(1.20mm ± 0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, **FN +CLEAN** combination keys to lock/disable keyboard for easy cleaning without taking away the keyboard from PC. Adjustable white backlight included, black titanium electroplated stainless steel top panel with thread bolts for top 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. Designed to meet **MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H** (high and low wide temperature,low pressure, humidity, vibration, shock, temperature shock, rain,dust, salt mist, fungus, solar radiation etc.), 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:	91 keys (Including 2 mouse buttons)
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:	≈2.50KG
Dimension:	410.0mm x 154.0mm (front panel)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M410-38-MTB-AVR-FN-BL-NV-151B-SDT

Feature

IP68 dynamic sealed and rugged Chiclet Military Rotatable movable desk top keyboard with IP65 38.0mm anti-vibration removable black resin mechanical trackball with 400DPI for fast and accurate cursor movement.12 function keys F1, F2, ... F12 are on the top line of keyboard. It is made of CNC Aluminum Alloy front plate + PC keycaps + military grade PCB, Carbon-on-gold key switch technology with stroke(1.20mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, **FN +CLEAN** combination keys to lock/disable keyboard for easy cleaning without taking away the keyboard from PC. Adjustable white backlight included, Rotatable desktop keyboard with spindles on both sides for a more comfortable typing posture. 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 **MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H** (high and low wide temperature, low pressure, humidity, vibration,shock, temperature shock, rain,dust, salt mist, fungus, solar radiation etc.), 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:	91 keys (Including 3 mouse buttons)
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:	≈3.50KG
Dimension:	410.0mm x 165.0mm x37.5mm (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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP68
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M435-172-MTB-AVR-RM-FN-BL-151B-DWP

Feature

IP65 dynamic sealed and rugged Chiclet military keyboard with IP65 38.0mm anti-vibration removable black resin mechanical trackball with 400DPI for fast and accurate cursor movement. 2 sealed mouse buttons designed for right & left clicking, as well as one scroll wheel in the middle for scrolling up and down. 12 function keys F1, F2, ... F12 are on the top line of keyboard. It is made of CNC Aluminum alloy front plate with spray black + PC keycaps + military grade PCB, Carbon-on-gold key switch technology with stroke(1.20mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, **FN + CLEAN** combination keys to lock/disable keyboard for easy cleaning without taking away the keyboard from PC. Adjustable white backlight included. Top panel with mounting holes for top panel mounting. Dual USB interface. 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 **MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H** (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, salt mist, fungus, solar radiation etc.), 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:	91 keys (Including 2 mouse buttons)
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:	≈2.50KG
Dimension:	435.0mm x 172.0mm (front panel)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M440-OTB-FN-BL-NV-151B-BT-DT-DWP

Feature

IP68 dynamic water proof vandal proof stainless steel military chiclet keyboard with durable polymer keys, with 12 function keys F1, F2, ... F12 on the top line, integrated with IPX6 rated ergonomic 34mm optical trackball module with 500CPI resolutions for fast and accurate fixing cursor position with extreme smooth operation without any noise, with 3 mouse buttons for left/right clicking, as well as middle wheel for scrolling function. Ruggedized military grade PCB with carbon-on-gold key switch technology with stroke(1.20mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, high quality durable black titanium electroplate on the whole keyboard housing, one complete silicone rubber along stainless steel plate for easily mounting and sealing tightly with cabinet, **FN + CLEAN** combination keys for easily cleaning without taking the keyboard away from PC. Movable stand alone DESK TOP VERSION. Adjustable red backlight included. Dual USB interface, which meets IEC60945-2002, designed to meet **MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H** (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, salt mist, fungus, solar radiation etc.), 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:	89 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:	≈2.50KG
Dimension:	440.0mm x 153.0mm x 26.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP68
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M440-OTB-FN-BL-NV-151B-DWP-AL

Feature

IP65 dynamic waterproof vandal proof aluminum alloy rugged military keyboard with durable polymer keys. The high quality rugged aluminum alloy panel is processed by CNC and keyboard with military grade PCB meets with IEC60945-2002 EMC and environmental adaptability test, with 12 function keys F1, F2,...F12 on the top line, integrated with IPX6 rated ergonomic 34mm optical trackball module with 500 CPI resolutions for fast and accurate fixing cursor position with extreme smooth operation without any noise. The whole keyboard is made of CNC aluminum alloy front plate+ PC keycaps + carbon contact as well as military grade PCB. Carbon-on-gold key switch technology with 1.20±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise. **FN + CLEAN** combination keys for easily cleaning without taking the keyboard away from PC. The whole keyboard can meet wide temperature (Operating temperature: -40 C to +75 C). High quality durable black titanium spray-paint on the aluminum alloy panel. Front panel with sinking holes for the top panel mounting. Adjustable backlight included(White or Red). USB interface or aviation plug are available. Designed to meet IEC60945-2002, **MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H** (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, salt mist, fungus, solar radiation etc.), 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:	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:	≈2.50KG
Dimension:	440.0mm x 153.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M450-OTB-AVR-KP-FN-BL-NV-151B-DWP

Feature

IP65 dynamic waterproof vandal proof aluminum alloy rugged military chiclet keyboard with durable polymer keys. The high quality rugged aluminum alloy panel is processed by CNC. Keyboard with military grade PCB meets with IEC60945-2002 EMC and environmental adaptability test, with 12 function keys F1, F2,...F12 on the top line and numerical keypad at the right side of keyboard, Integrated with IPX6 rated ergonomic rugged military anti-vibration and removable 34.0mm optical thumb ball mouse(500 CPI resolutions) for fast and accurate cursor position. The whole keyboard is made of CNC aluminum alloy front plate + PC keycaps + carbon contact as well as military grade PCB. Carbon-on-gold key switch technology with 1.20±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise. **FN + CLEAN** combination keys for easily cleaning without taking the keyboard away from PC. The whole keyboard can meet wide temperature (Operating temperature: -40 C to +75 C). High quality durable black titanium spray-paint on the aluminum alloy panel. Rear panel with mounting holes for panel mounting. Adjustable white backlight included. Dual USB interface. Designed to meet IEC60945-2002, **MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H**(high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, salt mist, fungus, solar radiation etc.), 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:	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:	≈2.50KG
Dimension:	450.0mm 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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M525TP-OTB-RS-FN-BL-151B-DWP+KVM

Feature

IP65 dynamic waterproof vandal proof rugged military keyboard, integrated with IPX6 rated ergonomic 34mm optical trackball module with 500 CPI resolutions as well as touchpad for fast and accurate fixing cursor position with extreme smooth operation without any noise, 12 function keys F1, F2,...F12 are on the top line. The whole keyboard is made of CNC aluminum alloy front plate+ PC keycaps + carbon contact as well as military grade PCB. Carbon-on-gold key switch technology with 1.20± 0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC. Adjustable backlight included (White or Red) and USB interface. Built-in 4-channel KVM conversion PCB control board, with a switch button on the front plate to enable switching control between 4 devices. Designed to meet **MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H** (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, salt mist, fungus, solar radiation etc.), as well as the 10 critical standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Mechanical Data

Keys:	89 keys + 2 mouse keys + switch button
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:	≈3.00KG
Dimension:	525.0mm x 172.0mm (front panel)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-461G-EMC-EMI-EMS-ESD and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

★ 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-810H (high and low wide temperature (-40°C-+75°C), low pressure (Altitude), humidity, vibration, shock, salt fog, temperature shock, drop, rain, sand & dust, fungus, solar radiation etc.)

01	Low Pressure (57kPa - 106kPa)
02	High Temperature (+75 °C)
03	Low Temperature (-40 °C)
04	Temperature Shock (-55 °C to +75 °C)
05	Rain Test (Wind velocity: no less than 18m/s, test duration: 3h)
06	Humidity (-30 °C to +60 °C, 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 (Frequency: 0-2000Hz, Displacement: 1mm, Acceleration:70m/s²)
12	Shock (40g, 11ms)
13	Drop Test (Drop height: 122cm)



Feature



IP65 dynamic sealed and rugged durable military keypad. With 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 keypad 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. Adjustable white backlight included. Designed to meets **MIL-STD-810H** (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.

Part Number: K-TEK-M91KP-BL-ML-DWP

Mechanical Data

Keys:	17 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:	≈0.50KG
Dimension:	91.00mm x 110.00mm (L x W)(front panel)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Feature



IP65 dynamic water proof vandal proof stainless steel military keypad with durable polymer keys ,Sealed and ruggedized PCB with carbon-on-gold key switch technology with stroke(1.20mm±0.10mm)with extremely good tactile feeling for fast and accurate data input without any noise , high quality durable black titanium electroplated on the top stainless steel plate ,one complete silicone rubber along the rear stainless steel plate for easy mounting & sealing tightly with cabinet ,front panel with thread bolts for top panel mounting. Keypad with backlight. The whole keypad can meet **MIL-STD-810H** (high and low wide temperature, low pressure, humidity, vibration ,shock, temperature shock, rain ,dust ,fungus, solar radiation etc.). Which is also designed to 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-M109KP-23-BL-ML-BT-DWP

Mechanical Data

Keys:	23 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:	≈0.50KG
Dimension:	109.0mm x 145.0mm (front panel)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Feature



IP65 dynamic water proof vandal proof stainless steel military keypad with durable polymer keys ,Sealed and ruggedized PCB with carbon-on-gold key switch technology with stroke(1 .20mm±0.10mm)with extremely good tactile feeling for fast and accurate data input without any noise , high quality durable black titanium electroplated on the top stainless steel plate ,one complete silicone rubber along the rear stainless steel plate for easy mounting & sealing tightly with cabinet ,front panel with thread bolts for top panel mounting.Keypad with backlight.The whole keypad can meet **MIL-STD-810H** (high and low wide temperature,low pressure,humidity,vibration ,shock,temperature shock,rain , dust ,fungus,solar radiation etc.).Which is also designed to 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-M109KP-24-BL-ML-BT-DWP

Mechanical Data

Keys:	24 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:	≈0.50KG
Dimension:	109.0mm x 145.0mm (front panel)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Feature



IP65 dynamic water proof vandal proof stainless steel military keypad with durable polymer keys ,Sealed and ruggedized PCB with carbon-on-gold key switch technology with stroke(1 .20mm±0.10mm)with extremely good tactile feeling for fast and accurate data input without any noise , high quality durable black titanium electroplated on the top stainless steel plate ,one complete silicone rubber along the rear stainless steel plate for easy mounting & sealing tightly with cabinet ,front panel with mounting holes for top panel mounting.Keypad with backlight.The whole keypad can meet **MIL-STD-810H** (high and low wide temperature,low pressure,humidity,vibration ,shock,temperature shock,rain , dust ,fungus,solar radiation etc.).Which is also designed to 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-23-BL-ML-BT-DWP

Mechanical Data

Keys:	23 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:	≈0.50KG
Dimension:	129.0mm x 172.0mm (front panel)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Feature



IP65 dynamic water proof vandal proof stainless steel military keypad with durable polymer keys ,Sealed and ruggedized PCB with carbon-on-gold key switch technology with stroke(1.20mm±0.10mm)with extremely good tactile feeling for fast and accurate data input without any noise , high quality durable black titanium electroplated on the top stainless steel plate ,one complete silicone rubber along the rear stainless steel plate for easy mounting & sealing tightly with cabinet ,front panel with mounting holes for top panel mounting.Keypad with backlight.The whole keypad can meet **MIL-STD-810H** (high and low wide temperature, low pressure,humidity,vibration ,shock,temperature shock, rain ,dust ,fungus,solar radiation etc.).Which is also designed to 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-24-BL-ML-BT-DWP

Mechanical Data

Keys:	24 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:	≈0.50KG
Dimension:	129.0mm x 172.0mm (front panel)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Feature



IP65 dynamic water proof vandal proof stainless steel military keypad with durable polymer keys,equipped with 34.10mm ergonomic optical trackball module with 500CPI resolutions for fast and accurate fixing cursor position with extreme smooth operation without any noise.2 extra USB interfaces are located on the left of the trackball ,offering users a more convenient peripheral connection solution.Carbon-on-gold key switch technology with stroke(1.20mm±0.10mm)with extremely good tactile feeling for fast and accurate data input without any noise ,high quality durable black titanium electroplated on the top stainless steel plate ,one complete silicone rubber along the rear stainless steel plate for easy mounting & sealing tightly with cabinet , front panel with mounting holes for top panel mounting.The whole keypad and trackball part can meet **MIL-STD-810H** (high and low wide temperature,low pressure,humidity,vibration ,shock, temperature shock,rain ,dust ,fungus,solar radiation etc.). Which is also designed to 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-M235-OTB-KP-23-ML-BT-DWP

Mechanical Data

Keys:	23 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:	≈0.50KG
Dimension:	235.0mm x 154.0mm (front panel)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



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-810H** (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.

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

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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810H (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
MTRR:	<30min
Operating Temperature:	-40°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
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-AC-BL-DWP

Dot matrix version



K-TEK-M270-FN-BL-IT-ML-DWP
+M73TP

Keyboard with touchpad





Feature

IP65 dynamic waterproof special professional compact format keyboard with durable polymer keys. The high quality rugged aluminum alloy panel is processed by CNC. With 12 function keys (F1, F2, ... F12) on the top line of keyboard, sealed and rugged matrix PCB with carbon-on-gold key switch technology with stroke 1.20mm, which is extremely good tactile feeling for fast and accurate data input without any noise, one complete silicone rubber along the top panel for easy mounting & sealing tightly with cabinet, rear panel with through-hole for easy mounting and sealing. Adjustable backlight included (White or Red etc). **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mistyping. High quality durable and scratch-proof black titanium on the aluminum alloy panel, which is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, salt mist etc. Dot matrix with FPC PIN without electronic controller included.

Part Number: K-TEK-M270-FN-AC-BL-DWP

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:	≈0.70KG
Dimension:	270.0mm(L) x 110.0mm(W) (Top Panel)

Electrical Data

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

Reliability

CE/FCC/ROHS, MIL-STD-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



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 meet **MIL-STD-810H** (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.

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

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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
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-FDT-DWP

Feature

IP68 dynamic sealed and rugged durable movable desk top military chiclet keyboard with polymer keys and touchpad.12 function keys(F1 ,F2 ,...F12)on the top line for easy operation. Carbon-on-gold key switch technology with 1.20 mm key travel with extremely good tactile feeling for fast and accurate data input without any noise.It is made of CNC aluminum alloy front plate +PC key caps +carbon-on-gold key switch technology PCB, **FN +CLEAN** combination keys for easy cleaning without taking the keyboard away from PC and avoid mis-operation or mis-typing.Adjustable white backlight included.Super flat desktop version.Sturdy ABS polycarbonate casing encloses the front metal panel.It features VESA mounting holes on the back of ABS casing ,making it suitable for both fixed installation and mobile use.The keyboard comes with a detachable USB cable for easy storage and portability.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 **MIL-STD-810H** (high and low wide working temperature,low pressure,humidity, vibration ,shock ,salt spray, temperature shock ,drop ,rain ,sand and 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:	89+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:	≈1.00KG
Dimension:	297.6mm x 192.1mm x 20.2mm (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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
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-V03

Feature

IP65 dynamic waterproof sealed and rugged durable embedded wide temperature chiclet keyboard with polymer keys and integrated touchpad ,with built-in military PCB.12 function keys(F1 ,F2 ,...F12)on the top line.Which is made of CNC aluminum alloy front plate +PC key caps +carbon-on-gold key switch technology PCB,with 1.20mm key travel with extremely good tactile feeling for fast and accurate data input without any noise.One complete silicone rubber along the top panel for easy mounting &sealing tightly with cabinet, top panel mount solution.**FN +CLEAN** combination keys for easy cleaning without taking the keyboard away from PC,and avoid mis-operation or mis-typing,which is good for outdoor application with direct rain and very harsh environments with humidity,much dynamic water,oil ,salt mist etc.Adjustable white backlight included.Designed to meet **MIL-STD-810H** (high and low wide temperature ,low pressure,humidity, vibration ,shock,temperature shock,rain ,dust ,salt mist , fungus ,solar radiation etc.),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:	89+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:	≈1.00KG
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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
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-810H** (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: 1.0N±0.2N, Enter/Caps Lock/Shift/Tab/Backspace Key: 1.5N±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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M291TP-FN-BL-ML-DWP-V02

Feature

IP65 dynamic waterproof sealed and rugged durable embedded wide temperature chiclet keyboard with polymer keys and integrated touchpad ,with built-in military PCB.12 function keys(F1 ,F2 ,...F12)on the top line.Which is made of CNC aluminum alloy front plate +PC key caps +carbon-on-gold key switch technology PCB,with 1.20mm key travel with extremely good tactile feeling for fast and accurate data input without any noise.One complete silicone rubber along the top panel for easy mounting & sealing tightly with cabinet, top panel mount solution with mounting holes for convenient and easy installation.**FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC,and avoid mis-operation or mis-typing,which is good for outdoor application with direct rain and very harsh environments with humidity,much dynamic water,oil ,salt mist etc. Adjustable white backlight included.Designed to meet **MIL-STD-810H** (high and low wide temperature ,low pressure,humidity, vibration ,shock,temperature shock,rain ,dust ,salt mist , fungus ,solar radiation etc.),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:	89 + 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:	291.00mm x 185.69mm (L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
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-810H** (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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Optional Configuration

Optional Configuration	Part Number	Remark
	K-TEK-M327KP-FN-BL-DM-DWP	Dot matrix version
	K-TEK-M327KP-FN-BL-IT-ML-DWP +M73TP	Keyboard with touchpad
	K-TEK-M327KP-FN-BL-IT-ML-DWP +M125TP	Keyboard with large-size touchpad
	K-TEK-M327KP-FN-BL-IT-ML-DWP+ TP80-DML-DWP+2KEY	Keyboard with touchpad



Part Number: K-TEK-M327KP-FN-BL-DM-DWP

Feature

IP65 dynamic water proof vandal proof rugged chiclet keyboard with durable polymer keys, with ultra-thin military grade dot matrix PCB and semi-reinforced ultra-thin rugged aluminum alloy back plate. With 12 function keys F1, F2, ... F12 on the top of keyboard and individual numeric keypad on the right side of keyboard for easy operation. The whole keyboard is made of CNC aluminum alloy front plate + PC keycaps with carbon-on-gold key switch technology+military grade dot matrix PCB. With 1.20mm±0.10mm 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 mistyping. Designed to meets **MIL-STD-810H** (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:	Dot matrix
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
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-810H** (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:	≈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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
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-810H** (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:	≈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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
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+TP80-DML-DWP+2KEY

Feature

IP65 dynamic water proof vandal proof rugged chiclet keyboard with durable polymer keys, external with fully individual sealed waterproof wide-temperature touchpad for fast cursor position and 2 mouse buttons for left/right clicking. With 12 function keys F1, F2, ... F12 on the top of keyboard and numeric keypad on the right side 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±0.10mm 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 meet **MIL-STD-810H** (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:	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: 81.0mm x 50.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M327TP-FN-BL-IT-ML-DWP

Feature

IP65 dynamic water proof vandal proof rugged chiclet keyboard with durable polymer keys ,integrated touchpad and military grade PCB,12 function keys(F1 ,F2 ,...F12)are on the top line. 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 key caps +carbon-on-gold key switch technology with military PCB.One complete silicone rubber along the top panel for easy mounting & sealing tightly with cabinet.Super thin ruggedized aluminum back plate with mounting holes for rear panel mounting.**FN +CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation and mis-typing.Which is good for outdoor application with direct rain and very harsh environments with humidity,much dynamic water,oil ,salt mist etc.Adjustable white backlight included ,with USB interface. Designed to meet **MIL-STD-810H** (high and low wide temperature ,low pressure,humidity,vibration ,shock,temperature shock,rain ,dust ,salt mist , 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:	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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
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-810H** (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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
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-810H** (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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



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

Feature

IP65 dynamic water proof vandal proof rugged chiclet keyboard with durable polymer keys, with ultra-thin military grade dot matrix PCB and semi-reinforced ultra-thin rugged aluminum alloy back plate. With 12 function keys F1, F2, ... F12 on the top of keyboard and individual numeric keypad on the right side of keyboard for easy operation. The whole keyboard is made of CNC aluminum alloy front plate + PC keycaps with carbon-on-gold key switch technology+military grade dot matrix PCB.With 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise,with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. Top panel 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 mistyping. Designed to meet **MIL-STD-810H** (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:	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:	Dot matrix
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M390-MTB-FN-BL-ML-DWP

Feature

IP65 dynamic sealed and rugged durable compact chiclet keyboard with polymer keys. With IP65 static 38.0mm black harden resin mechanical trackball module(stainless steel trackball is optional) in 400 DPI resolutions for fast and accurate cursor movement. 12 function keys F1, F2, ... F12 are on the top line of keyboard. It is made of stainless steel front plate + PC keycaps + carbon contact as well as military grade PCB, Carbon-on-gold key switch technology with stroke(1.20mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, **FN + CLEAN** combination keys to lock/disable keyboard for easy cleaning without taking away the keyboard from PC. Adjustable backlight included (Red or white). Stainless steel front plate with sealing gasket and threaded bolts for top panel mounting solution. It 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 **MIL-STD-810H** (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, dust, salt mist, fungus, solar radiation etc.), 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:	92+3 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:	≈2.00KG
Dimension:	390.0mm 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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Optional Configuration

Part Number

Remark



K-TEK-M390-MTB-FN-BL-BT-ML-DWP

With black titanium electroplated stainless steel plate



K-TEK-M390TP-FN-BL-NV-EMC-DWP

Keyboard with touchpad, compliant with MIL-STD -461G and 810H



K-TEK-M392TP-FN-BL-DWP

Keyboard with touchpad



Part Number: K-TEK-M390-MTB-FN-BL-BT-ML-DWP

Feature

IP65 dynamic sealed and rugged durable compact chiclet keyboard with polymer keys. With IP65 static 38.0mm black harden resin mechanical trackball module(stainless steel trackball is optional) in 400 DPI resolutions for fast and accurate cursor movement. 12 function keys F1, F2, ... F12 are on the top line of keyboard. It is made of stainless steel front plate with black titanium plating + PC keycaps + carbon contact as well as military grade PCB, Carbon-on-gold key switch technology with stroke (1.20mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, **FN + CLEAN** combination keys to lock/disable keyboard for easy cleaning without taking away the keyboard from PC. Adjustable backlight included (Red or white).Super quality durable black titanium electroplated stainless steel front plate with sealing gasket and threaded bolts for top panel mounting solution. It 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 **MIL-STD-810H** (high and low wide temperature, low pressure, humidity, vibration,shock, temperature shock, rain, dust, salt mist, fungus, solar radiation etc.), 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:	92+3 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:	≈2.50KG
Dimension:	390.0mm 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
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Part Number: K-TEK-M390TP-FN-BL-ML-EMC-DWP

Feature

IP65 dynamic water proof vandal proof stainless steel military keyboard with durable polymer keys with full keyboard functionalities ,IP65 dynamic sealed &ruggedized tough touchpad for fast and accurate cursor position ,function keys F1 ,F2 ,...F12 are on the top line for easy operation,sealed and ruggedized military 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 rear stainless steel plate for easy mounting &sealing tightly with cabinet,top panel with mounting holes mounted.Red/white backlight is included. USB interface.Meet **MIL-STD-461G with EMC** (Electro Magnetic Compatibility)&**MIL-STD-810 F** (wide temperature ,shock, vibration ,humidity etc.),which is good for outdoor application with direct rain and very harsh environments with humidity,much dynamic water, oil ,dirt ,salt mist etc.It is good for outdoor application with direct rain and very harsh environments with humidity,much dynamic water,oil ,dirt,salt mist etc.

Mechanical Data

Keys:	87+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:	≈2.00KG
Dimension:	390.9mm x 149.30mm (front panel)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	≈50mA(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-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.



Feature

IP65 dynamic waterproof vandal proof chiclet keyboard with polymer keys and ultra thin integrated electronic controller. 12 function keys(F1 ,F2 ,...F12)are on the top line of keyboard and integrated sealed touchpad with 400DPI is at the right side of keyboard. Constructed with CNC aluminum alloy front plate +PC keycaps +carbon contact as well as military PCB, Carbon-on-gold key switch technology with key travel 1.20mm±0.10mm with extremely good tactile feeling for fast and accurate data input without any noise ,Silicone rubber along the top panel for easy mounting & sealing tightly with cabinet. Top panel mount with sinking holes for top panel mounting. **FN +CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mistyping. Adjustable white backlight included. Designed to meet **MIL-STD-810H**(high and low wide temperature ,low pressure, humidity, vibration ,shock, temperature shock, rain ,dust ,salt mist , fungus ,solar radiation etc.), as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

Part Number: K-TEK-M392TP-FN-BL-DWP

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:	≈2.50KG
Dimension:	392mm x 153.0mm (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-810H (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°C ~ +75°C
Storage Temperature:	-45°C ~ +85°C
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.