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

RUGGED KEYBOARD AND MOUSE CATALOGUE

Rugged Keyboards and Mice Expert

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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.

CUSTOMER FIRST

INNOVATION TECHNOLOGY

CONTINUOUS IMPROVEMENT

QUALITY PRIORITY

TEAM WORK

CREDIT-BASED

LEADING MANUFACTURER

CONTENTS

01

Rugged Marine 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℃)
03	Low Temperature (-40℃)
04	Temperature Shock （-55℃ to +75℃）
05	Rain Test (Wind velocity: no less than 18m/s, test duration: 3h)
06	Humidity (-30℃ to +60℃, 95%RH)
07	Fungus (Test period: 28 days (672h))
08	Salt Spray (Test period: 96h, IEC60512-6)
09	Low Frequency Vibration
1 0	Dust Test (10.6g/m³±7g/m³)
1 1	Vibration (Frequence: 0-2000Hz, Displacement: 1mm, Acceleration:70m/s²)
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-M263-FN-BL-BT-DWP

Feature

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

Mechanical Data

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

Electrical Data

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

Reliability

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

Feature

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

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

Mechanical Data

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

Electrical Data

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

Reliability

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

Feature

IP65 dynamic waterproof vandal proof stainless steel industrial keyboard with durable polymer keys with full keyboard functionalities, function keys(F1, F2, ... F11,F12)are on the top line for easy operation, with numeric keypad, sealed and ruggedized military PCB with carbon-on-gold key switch technology with stroke (1.50±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 alone the rear stainless steel plate for easy mounting & sealing t ightly with cabinet, rear panel mounted. Designed to meet with MIL-STD-461D-EMC-EMI-EMS-ESD, and MIL-STD-810F (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.

Part Number: K-TEK-M344KP-FN-BL-BT-ML-EMC-DWP

Mechanical Data

Keys:	100 keys
Key Travel:	1.50±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:	344.0mm x 111.0mm(L x W)

Electrical Data

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

Reliability

CE/FCC/ROHS, MIL-STD-461D-EMC-EMI-EMS-ESD and MIL-STD-810F (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℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Feature

IP68 dynamic waterproof vandal proof stainless steel industrial keyboard with durable polymer keys with full keyboard functionalities, function keys(F1, F2, ... F11,F12)are on the top line for easy operation, with numeric keypad, sealed and ruggedized military PCB with carbon-on-gold key switch technology with stroke (1.50±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, with optional high quality durable black titanium electroplated on the stainless steel housing, movable desk top version. Designed to meet with MIL-STD-461D-EMC-EMI-EMS-ESD, and MIL-STD-810F (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.

Part Number: K-TEK-M344KP-FN-BL-ML-EMC-DT-DWP

Mechanical Data

Keys:	100 keys
Key Travel:	1.50±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:	366.0mm x 125.0mm(L x W)

Electrical Data

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

Reliability

CE/FCC/ROHS, MIL-STD-461D-EMC-EMI-EMS-ESD and MIL-STD-810F (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℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
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 keyboard with durable polymer keys and IP65 sealed touchpad module for fast and accurate cursor position, with fully sealed and rugged military PCB with carbon-on-gold key switch technology with long stroke (1.50mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, functional keys F1, F2, F3...F10, F11, F12 are on the top line for easy operation. High quality durable black titanium electroplated on the top stainless steel plate, 2 mouse buttons designed for right & left clicking, strong durable polymer keys caps with laser technology for backlight out, with adjustable backlight(Red or Blue) included, stainless steel top plate with sealing gasket and threaded bolts for top panel mounting solution. FN + CLEAN key to lock/disable the keyboard for easy cleaning without taking away the keyboard from PC, which is good for outdoor application with direct rain and very harshenvironments with humidity, much dynamic water, oil, dirt, salt mist etc, direct drain pipe is optional, no rust risk and anti-salt spray corrosion.Designed to meet MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810F (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-M361TP-FN-BL-NV-151B-BT-DWP

Mechanical Data

Keys:	82+2 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	1.8 N±0.2N for key , 2.6 N±0.20N for key
Gross Weight:	≈1.60KG
Dimension:	361.0mm 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/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-461G-EMC-EMI-EMS-ESD and MIL-STD-810F (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℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
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 industrial keyboard with durable keys with full keyboard functionalities, IP65 dynamic sealed & ruggedized tough touchpad for fast and accurate cursor position, function keys (F1, F2...F11, F12) are on the top line for easy operation, sealed and ruggedized industrial PCB with carbon-on-gold key switch technology with long stroke 1.20mm with extremely good tactile feeling for fast and accurate data input without any noise, individual numeric keypad integrated, one complete silicone rubber alone the rear stainless steel plate easy mounting & sealing or tightly with cabinet, High quality scratch-proof durable black titanium electroplated on the top stainless steel plate. Rear panel mounted. Stainless steel back plate with holes for rear mounting solution. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

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

Mechanical Data

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

Electrical Data

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

Reliability

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

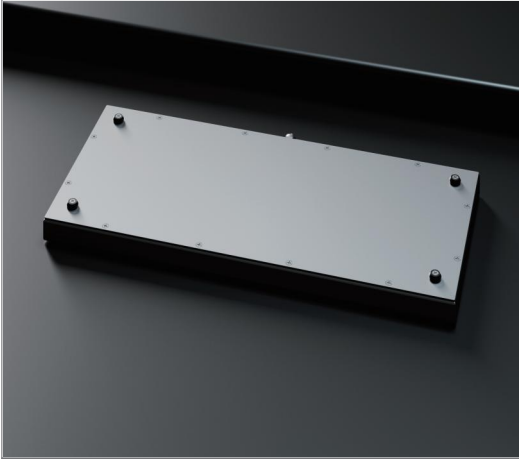| Optional Configuration	Part Number	Remark
	K-TEK-M360-25-OTB-KP-FN-BL-BT-DWP	Integrated optical trackball module and with backlight optional
	K-TEK-M360-25-OTB-KP-FN-BL-DWP	With backlight/optical trackball/stainless steel front plate optional
	K-TEK-M360TP-KP-FN-BL-DT-DWP	Desktop version with backlight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

Feature

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

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

Mechanical Data

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

Electrical Data

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

Reliability

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

Feature

IP65 dynamic water proof vandal proof stainless steel industrial keyboard with durable polymer keys and IP68 dynamic washable 38.0mm stainless steel optical trackball module(Silver harden resin trackball module is optional) with 800DPI resolutions for fast and accurate cursor position, with fully sealed and ruggedized industrial PCB with carbon-on-gold key switch technology with long stroke (1.50mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, functional keys F1, F2, F3...F10, F11, F12 are on the top line for easy operation. 3 mouse buttons designed for right & left clicking and scrolling up and down with ball rolling, strong durable polymer keys caps with laser technology, stainless steel top plate with sealing gasket and threaded bolts for top panel mounting solution. FN + CLEAN combination keys lock/disable the keyboard for easy cleaning without taking away the keyboard from PC, which is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, dirt, salt mist etc,no rust risk and anti-salt spray corrosion. Designed to meet 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.

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

Mechanical Data

Keys:	85+3 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:2.0N±0.2N,Enter Key:3.5N±0.2N
Gross Weight:	≈2.00KG
Dimension:	361.0mm x 145.0mm(L x W)

Electrical Data

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

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +65℃
Storage Temperature:	-30℃ ~ +75℃
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 industrial keyboard with durable polymer keys and IP68 dynamic washable 38.0mm stainless steel optical trackball module(Silver Harden Resin optical trackball module is optional) with 800DPI resolutions for fast and accurate cursor position, with fully sealed and ruggedized industrial PCB with carbon-on-gold key switch technology with long stroke (1.50mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, functional keys F1, F2, F3...F10, F11, F12 are on the top line for easy operation. High quality durable black titanium electroplated on the top stainless steel plate, 3 mouse buttons designed for right & left clicking and scrolling up and down with ball rolling, strong durable polymer keys caps with laser technology, stainless steel top plate with sealing gasket and threaded bolts for top panel mounting solution. FN + CLEAN combination keys lock/disable the keyboard for easy cleaning without taking away the keyboard from PC, which is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, dirt, salt mist etc, direct drain pipe is optional, no rust risk and anti-salt spray corrosion. 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.) as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; MIL-STD-461G-EMC-EMI-EMS-ESD optional.

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

Mechanical Data

Keys:	85+3 keys
Key Travel:	1.50±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:2.0N±0.2N,Enter Key:3.5N±0.2N
Gross Weight:	≈2.00KG
Dimension:	361.0mm x 145.0mm(L x W)

Electrical Data

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

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +65℃
Storage Temperature:	-30℃ ~ +75℃
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 industrial keyboard with durable polymer keys with full keyboard functionalities, function keys (F1, F2...F11, F12) are on the top line for easy operation, sealed and ruggedized Industrial PCB with carbon-on-gold key switch technology with long stroke (1.20mm±0.10mm)with extremely good tactile feeling for fast and accurate data input without any noise, one complete silicone rubber along the rear stainless steel plate for easy mounting & sealing tightly with cabinet, top panel with thread bolt for top panel mounted. Adjustable backlight(White,Blue or Red) included. FN + Lock key to lock/disable the keyboard for easy cleaning, Which is good for the outdoor application with direct rain and very harsh environments with humidity,much dynamic water,oil, dirt,salt mist etc. Designed to meet with MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.

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

Mechanical Data

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

Electrical Data

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

Reliability

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

Feature

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

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

Mechanical Data

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

Electrical Data

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

Reliability

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

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

Feature

IP68 dynamic water proof vandal proof stainless steel industrial 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, ... F11,F12)are on the top line for easy operation, Sealed and 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.Adjustable Red Backlight included(White/Blue can be customized) . FN + CLEAN combination keys for easy cleaning without taking the keyboard away from PC and avoid mis-operation or typing mistake. Movable desk top version. Designed to meet with MIL-STD-461D-EMC-EMI-EMS-ESD, and MIL-STD-810F (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.

Part Number: K-TEK-M380TP-FN-BL-ML-EMC-DT-DWP

Mechanical Data

Keys:	87+2 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:2.0N±0.2N,Enter/Caps Lock/Shift/Tab/Backspace Key:3.5N±0.2N
Gross Weight:	≈2.50KG
Dimension:	390.0mm x 149.0mm(L x W)

Electrical Data

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

Reliability

CE/FCC/ROHS, MIL-STD-461D-EMC-EMI-EMS-ESD and MIL-STD-810F (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℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Feature

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

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

Mechanical Data

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

Electrical Data

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

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)

Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +60℃
Storage Temperature:	-30℃ ~ +75℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Feature

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

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

Mechanical Data

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

Electrical Data

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

Reliability

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

Feature

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

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

Mechanical Data

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

Electrical Data

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

Reliability

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

Feature

IP65 dynamic water proof vandal proof stainless steel industrial 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, ... F11,F12)are on the top line for easy operation, Sealed and 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. Adjustable Backlight included(White,Red or Blue are optional). FN+CLEAN combination keys for easy cleaning without taking the keyboard away from PC and avoid mis-operation or typing mistake. One complete silicone rubber alone the rear stainless steel plate for easy mounting & sealing tightly with cabinet, rear panel with mounting holes for rear panel mounted. Designed to meet with MIL-STD-461D-EMC-EMI-EMS-ESD, and MIL-STD-810F (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.

Part Number: K-TEK-M380TP-FN-BL-NV-EMC-DWP

Mechanical Data

Keys:	87+2 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	Normal Key:2.0N±0.2N,Enter/Caps Lock/Shift/Tab/Backspace Key:3.5N±0.2N
Gross Weight:	≈1.80KG
Dimension:	390.0mm x 149.0mm(L x W)

Electrical Data

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

Reliability

CE/FCC/ROHS, MIL-STD-461D-EMC-EMI-EMS-ESD and MIL-STD-810F (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℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Feature

IP65 dynamic vandal proof industrial and military keyboard with individual durable and robust polymer keys. With IP68 dynamic washable 38mm robust silver harden resin with +800DPI high resolutions for fast and accurate cursor position ,Stainless steel optical trackball module is optical. Industrial PCB with carbon-on-gold key switch technology with key stroke(1.20mm±0.10mm) with extremely good tactile feeling for fast and accurate input without any noise, high quality durable black titanium electroplated on the top stainless steel plate included, adjustable industrial Red backlight included. Stainless steel rear plate and sealing gasket with mounting holes for real panel mounting. FN + CLEAN key to lock/disable the keyboard for easy cleaning without taking away the keyboard from PC, which is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, dirt, salt mist etc, direct drain pipe is optional, no rust risk and anti-salt spray corrosion.

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

Mechanical Data

Keys:	76+3 keys
Key Travel:	1.20±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	2.0N±0.2N, 3.5N±0.2N
Gross Weight:	≈1.70KG
Dimension:	369.0mm x 108.0mm(L x W)

Electrical Data

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

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +65℃
Storage Temperature:	-30℃ ~ +75℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Feature

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

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

Mechanical Data

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

Electrical Data

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

Reliability

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

Feature

IP68 dynamic water proof & vandal proof stainless steel industrial keyboard with individual durable and robust polymer keys with full keyboard functionalities. Sealed and ruggedized industrial PCB with carbon-on-gold key switch technology with key stroke(1.20mm±0.10mm)with extremely good tactile feeling for fast and accurate data input without any noise, function keys F1, F2, ...F19, F20 are on the top line for easy operation, individual numeric keypad integrated, with integrated IP65 sealed and rugged tough touchpad for fast and accurate cursor position. Movable desktop version. The full keyboard can be locked/disabled via FN + CLEAN combination keys for easy cleaning without taking the keyboard away from PC. Adjustable white backlight included. It is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, dirt, salt mist etc.

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

Mechanical Data

Keys:	116+2 keys
Key Travel:	1.20mm±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	2.0 N±0.2N 3.5 N±0.20N
Gross Weight:	≈2.50KG
Dimension:	383.0mm x 167.0mm x 21.5mm (L x W x H)

Electrical Data

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

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IP68
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +65℃
Storage Temperature:	-30℃ ~ +75℃
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 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, ... F11,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. Designed to meet with MIL-STD-461D -EMC-EMI-EMS-ESD, and MIL-STD-810F (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.

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

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:2.0N±0.2N
Gross Weight:	≈1.80KG
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/PS2 optional
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-461D-EMC-EMI-EMS-ESD and MIL-STD-810F (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℃ ~ +75℃
Storage Temperature:	-45℃ ~ +85℃
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 keyboard with durable 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. Rugged military PCB with carbon-on-gold key switch technology with long stroke (1.50mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, functional keys F1, F2, F3...F10, F11, F12 are on the top line for easy operation. High quality durable black titanium electroplated on the top of stainless steel plate, 3 mouse buttons designed for right & left clicking, strong durable polymer keys caps with laser technology for backlight out, with adjustable backlight(Red or Blue) included, stainless steel top plate with sealing gasket and threaded bolts for top panel mounting solution. FN + CLEAN key to lock/disable the keyboard for easy cleaning without taking away the keyboard from PC, which is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, dirt, salt mist etc, direct drain pipe is optional, no rust risk and anti-salt spray corrosion. Aviation plug 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.

Part Number: K-TEK-M361-MTB-FN-BL-NV-151B-BT-DWP

Mechanical Data

Keys:	85+3 keys
Key Travel:	1.50mm±0.10mm
Key Lifespan:	>5 million actuations
Actuation Force:	2.0N±0.2N (pressure point) 3.5 N±0.20N (pressure point)
Gross Weight:	≈2.00KG
Dimension:	361.0mm x 145.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	50mA when backlight is off, 300mA with backlight on
Connect Interface:	USB
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)

Protection Level:	IP65
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-40℃ ~ +45℃
Storage Temperature:	-45℃ ~ +85℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.

Feature

IPX4 static waterproof rugged marine radar keyboard with military grade PCB that meets with IEC60945-2002 EMC and environmental adaptablity test, with 34mm harden resin optical trackball module with 400~1000 DPI resolutions for fast and accurate cursor position, military PCB with micro key switch technology with 0.30mm short stroke with extremely good tactile feeling for fast and accurate input without any noise, without repeated input or missing keys, with durable coating & antimicrobial keyboard surface treatment to withstand most chemicals and liquids under harsh environment, high quality durable black titanium electroplated on the top stainless steel plate included, adjustable white backlight included, bulit in panel mounted solution with 6 x M4 sinking holes, with aviation plug J14A-9ZJB or USB port. Power button/7 buttons on top/19 function keys on left and right side to be customized and programmed by users. Which meets Designed to meet MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810F (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-M418-OTB-BL-NV-EMC-SW

Mechanical Data

Keys:	60 keys
Key Travel:	0.30mm
Key Lifespan:	>5 million actuations
Actuation Force:	2.0N±0.3N (pressure point)
Gross Weight:	≈3.50KG
Dimension:	418.0mm x 172.0mm(L x W)

Electrical Data

Supply Voltage:	DC +5V±5%
Working Current:	50mA when backlight is off, 300mA with backlight on
Connect Interface:	USB
OS:	All Windows, Mac OSX, Vxworks, Android, Linux, Unix

Reliability

CE/FCC/ROHS, MIL-STD-810F (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.)	
Protection Level:	IPX4
MTBF:	>20000H
MTTR:	<30min
Operating Temperature:	-20℃ ~ +55℃
Storage Temperature:	-40℃ ~ +70℃
APPLICATION:	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc.