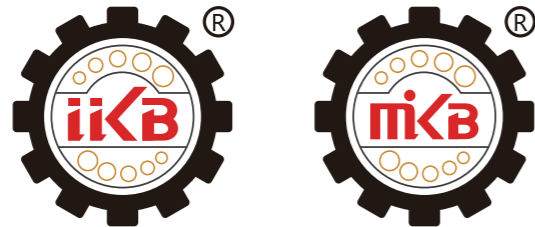


DYNAMIC WATERPROOF SCISSOR SWITCH KEYBOARD

Rugged Keyboards and Mice Expert



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



Wechat: Keytechnology
Email: sales01@key-tek.cn, sales05@key-tek.cn
Telephone: +86-755-89230460, +86-755-89253893
Webpage: www.rugged-key.com, www.rugged-system.com
Head Office Add: B702, Building 1, Tian'an Cyber Park, HuangGe North Rd, Long Gang District, ShenZhen, P.R. China. Zip Code: 518172
Factory Add: Floor 7, Building S8, Fenggang Tianan Cyber Park, No. 208 Fenggang Section, Dongshen Road, Fenggang Town, DongGuan City, Guang Dong Province, P.R. China. Zip Code: 523703
Beijing Office Add: 1205, Floor 12, Building 7, No. 26 Chengtong Street, Shijingshan District, Beijing, P.R. China. Zip Code: 100043





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 mine/oil and gas/transportation/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. Ranging from our off-the-shelf products to customized one, we can always deliver you a satisfying solution! Besides, our products have obtained many certificates/testing reports including but not limit to CE, RoHS, FCC, ESD, REACH, GJB151A-1997, GJB150A-2009, GJB151B-2013, MIL-STD-461G-EMC-EMI-EMS-ESD, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), IEC60945-2002, IP67, IP68, Medical, Explosive-proof as well as patent certificates.

Advantages of this series of products

1. Keep the advantages of superior light and comfortable tactile feeling of regular scissor switch keyboards, fast typing experience and will not easily get fatigued
2. Fully sealed dynamic waterproof patented technology to solve the defects of non-waterproofness of regular scissor switch keyboards
3. Fully rugged structure to solve the defects of regular scissor switch keyboards that are not resistant to prying, scratch or vibration
4. Upgrade to fully sealed rugged and super thin FPC patented structure from membrane switch, which solves well the problem of failing to work under -40°C to +75° or humidity
5. Keep the benefits to press the side or four corners of keys, there are fast and sensitive data input, the four corners and sides of keys as well as the front will fall at the same time, but without tilt
6. Top and rear panel mounted solution optional
7. Keyboard and casing are sealed and ruggedized, easy for maintenance
8. NO MOQ
9. Others

Disadvantages of this series of products

1. The whole rugged structure is a bit thicker and heavier than regular scissors switch keyboards
2. Gaps between rugged frame and keys which is not good to withstand dust and sandstorm
3. Higher cost for small quantities
4. Others

★ 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, low pressure, humidity, vibration, shock, temperature shock, rain, fungus etc.) |
|----------------------------|--|
| 01 | Low Pressure (57kPa - 106kPa) |
| 02 | High Temperature (+60 ℃) |
| 03 | Low Temperature (-40 ℃) |
| 04 | Temperature Shock |
| 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/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-V268-FN-BL-FC-SC-DM-DWP

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, dot matrix interface, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**. **Patented keyboard (Patent number: 202422198937.6)**

Mechanical Data

| | |
|------------------|---------------------------|
| Keys: | 80 keys |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | 268.0mm x 108.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | Dot matrix |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°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-V268-FN-BL-FC-SC-ML-DWP | USB interface |
| | K-TEK-V268-FN-BL-FC-SC-DWP+TP85+DML | Keyboard with touchpad |
| | K-TEK-V268-FN-BL-FC-SC-DWP+TP85-DML+2K-FC | Keyboard with touchpad |
| | K-TEK-V268-FN-BL-FC-SC-ANA-151B-DWP+TP85+2K | With touchpad and MIL-STD-461G-EMC-EMI-EMS-ESD standard |



Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**.
Patented keyboard (Patent number: 202422198937.6)

Part Number: K-TEK-V268-FN-BL-FC-SC-ML-DWP

Mechanical Data

| | |
|------------------|---------------------------|
| Keys: | 80 keys |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | 268.0mm x 108.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, with fully sealed external waterproof and reinforced wide-temperature touchpad with 400 DPI resolutions for fast cursor position. 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**.
Patented keyboard (Patent number: 202422198937.6)

Part Number: K-TEK-V268-FN-BL-FC-SC-DWP+TP85+DML

Mechanical Data

| | |
|------------------|--|
| Keys: | 80 keys |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 268.0mm x 108.0mm (L x W), TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V268-FN-BL-FC-SC-ANA-151B-DWP+TP85+2K

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, with fully sealed external waterproof and reinforced wide-temperature touchpad with 400 DPI resolutions for fast cursor position as well as with 2 left and right mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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, salt mist, dust, 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; **Patented keyboard (Patent number: 202422198937.6)**

Mechanical Data

| | |
|------------------|--|
| Keys: | 80 keys + 2 mouse buttons |
| Key Travel::: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 268.0mm x 108.0mm (L x W), TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|--|--|
| RoHS compliant, CE and FCC certified, MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, drop, rain, salt mist, dust, fungus, solar radiation etc.) | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V268-FN-BL-FC-SC-DWP+TP85-DML+2K-FC

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, with fully sealed external waterproof and reinforced wide-temperature touchpad with 400 DPI resolutions for fast cursor position as well as with 2 left and right mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**. **Patented keyboard (Patent number: 202422198937.6)**

Mechanical Data

| | |
|------------------|--|
| Keys: | 80+2 keys |
| Key Travel::: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 268.0mm x 108.0mm (L x W), TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|--|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.) | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V285-FN-BL-FC-SC-ANA-151B-DWP+TP85+2K

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, with fully sealed external waterproof and reinforced wide-temperature touchpad for fast cursor position as well as left and right plastic mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight (Red/Green/Yellow optional) included, panel mount solution. 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, salt mist, dust, 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; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|---|
| Keys: | 86 keys + external left and right mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 285.0mm x 108.0mm , TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|--|--|
| RoHS compliant, CE and FCC certified, MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, drop, rain, salt mist, dust, fungus, solar radiation etc.) | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V285-FN-BL-SC-FC-ML-DWP

Feature

IP67 dynamic fully sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, USB interface, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**.
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|---------------------------|
| Keys: | 86 keys |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | 285.0mm x 108.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|--|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.) | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V285-FN-BL-FC-SC-DM-DWP

Feature

IP67 dynamic fully sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, dot matrix output, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**.
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data





| | |
|------------------|---------------------------|
| Keys: | 86 keys |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | 285.0mm x 108.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | Dot matrix |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTRR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°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-V285-FN-BL-FC-SC-ML-DWP | USB interface |
|  | K-TEK-V285-FN-BL-FC-SC-DWP+TP85-DML | Keyboard with touchpad |
|  | K-TEK-V285-FN-BL-FC-SC-DWP+TP85-DML+2K-FC | Keyboard with touchpad and 2 mouse buttons |
|  | K-TEK-V285-FN-BL-FC-SC-ANA-151B-DWP+TP85+2K | With touchpad and MIL-STD-461G-EMC-EMI-EMS-ESD standard |



Part Number: K-TEK-V285-FN-BL-FC-SC-DWP+TP85-DML+2K-FC

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, with fully sealed external waterproof and reinforced wide-temperature touchpad for fast cursor position as well as left and right plastic mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight (Red/Green/Yellow optional) included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**.
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|---|
| Keys: | 86 keys + external left and right mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard:285.0mm x 108.0mm, TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V285-FN-BL-FC-SC-DWP+TP85-DML

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, with fully sealed external waterproof and reinforced wide-temperature touchpad for fast cursor position. 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight (Red/Green/Yellow optional) included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**.
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|---|
| Keys: | 86 keys |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard:285.0mm x 108.0mm, TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V340KP-FN-BL-FC-SC-ANA-151B-DWP+M73TP

Feature

IP67 fully sealed dynamic waterproof and durable embedded ultra thin rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, 12 function keys (F1, F2, ... F12) are on top line for easy operation, and numeric keypad on right side, as well as touchpad with 400DPI on the bottom part. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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, salt mist, dust, 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;

Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|--|
| Keys: | 103 + 2 keys |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 340.0mm x 108.0mm, Touchpad: 76.0mm x 73.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|--|--|
| RoHS compliant, CE and FCC certified, MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, drop, rain, salt mist, dust, fungus, solar radiation etc.) | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V340TP-FN-BL-SC-FC-ML-DWP

Feature

IP67 fully sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, with fully sealed waterproof reinforced wide temperature touchpad with 400DPI for fast and accurate cursor position, 12 function keys(F1, F2, ... F12) are on top line for easy operation, with combination numbers on letter keys for full keyboard functionality. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight (Red/Green/Yellow optional) included, panel mount solution. 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.

Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|-------------------------------------|
| Keys: | 88 keys (including 2 mouse buttons) |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | 340.0mm x 108.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|--|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.) | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V340KP-FN-BL-FC-SC-DM-DWP

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, 12 function keys (F1, F2, ... F12) are on top line for easy operation, and numeric keypad on right side. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight (Red/Green/Yellow optional) included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD(optional)**. **Patented keyboard (Patent number: 202422198937.6)**

Mechanical Data

| | |
|------------------|---------------------------|
| Keys: | 103 keys |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | 340.0mm x 108.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | Dot matrix |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°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-V340KP-FN-BL-FC-SC-ML-DWP

USB interface



K-TEK-V340KP-FN-BL-FC-SC-DWP+TP85-DML

Keyboard with touchpad



K-TEK-V340KP-FN-BL-FC-SC-DWP+TP85-DML-2K-FC

Keyboard with touchpad



K-TEK-V340KP-FN-BL-FC-SC-ANA-151B-DWP+TP85+2K

With touchpad and MIL-STD-461G-EMC-EMI-EMS-ESD standard



K-TEK-V340KP-FN-BL-FC-SC-ANA-151B-DWP+M73TP

With touchpad and MIL-STD-461G-EMC-EMI-EMS-ESD standard



Part Number: K-TEK-V340KP-FN-BL-FC-SC-DWP+TP85-DML

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, with fully sealed external waterproof and reinforced wide-temperature touchpad for fast cursor position. 12 function keys (F1, F2, ... F12) are on top line for easy operation, and numeric keypad on right side. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight (Red/Green/Yellow optional) included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**. Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|--|
| Keys: | 103 keys |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 340.0mm x 108.0mm (L x W), TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V340KP-FN-BL-FC-SC-DWP+TP85-DML-2K-FC

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, with fully sealed external waterproof and reinforced wide-temperature touchpad for fast cursor position as well as plastic left and right mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation, and numeric keypad on right side. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight (Red/Green/Yellow optional) included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**. Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|--|
| Keys: | 103 keys |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 340.0mm x 108.0mm, TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V340KP-FN-BL-FC-SC-ML-DWP

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, 12 function keys (F1, F2, ... F12) are on top line for easy operation, and numeric keypad on right side. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight (Red/Green/Yellow optional) included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**. Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|---------------------------|
| Keys: | 103 keys |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | 340.0mm x 108.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V340KP-FN-BL-FC-SC-ANA-151B-DWP+TP85+2K

Feature

IP67 fully sealed dynamic waterproof and durable embedded ultra thin rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, 12 function keys (F1, F2, ... F12) are on top line for easy operation, and numeric keypad on right side, with fully sealed external waterproof and reinforced wide-temperature touchpad for fast cursor position as well as left and right plastic mouse buttons. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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, salt mist, dust, 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; Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|---|
| Keys: | 103 keys |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 340.0mm x 108.0mm Touchpad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, drop, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V318TP-FN-BL-FC-SC-ML-FDT-DWP

Feature

IP68 fully sealed dynamic waterproof and durable ultra thin rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, with fully sealed waterproof reinforced wide temperature touchpad with 400DPI for fast and accurate cursor position, 12 function keys(F1, F2, ... F12) are on top line for easy operation, with combination numbers on letter keys for full keyboard functionality. The keyboard features a flip-up hinge structure on the top, designed to connect a tablet securely. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, super flat movable desk top. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|--|
| Keys: | 88 keys (including 2 mouse buttons) |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | 318.0mm x 235.0mm x 31.0mm (L x W x H) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | Dot matrix, USB, PS2 available |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP68 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V335-FN-BL-FC-SC-ML-DWP

Feature

IP67 dynamic fully sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, 12 function keys (F1, F2, ... F12) are on top line for easy operation. It is made of CNC aluminum alloy front plate and adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, USB interface, top panel mount solution with sinking mounting holes. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity;
MIL-STD-461G-EMC-EMI-EMS-ESD (optional).
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|---------------------------|
| Keys: | 86 keys |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | 334.8mm x 144.8mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V405KP-FN-BL-FC-SC-ANA-151B-DWP

Feature

IP67 fully sealed dynamic waterproof and durable embedded ultra thin rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, 12 function keys (F1, F2, ... F12) are on top line and individual numeric keypad for easy operation. It is made of CNC aluminum alloy front plate and adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, top panel mount with sinking holes. 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, salt mist, dust, 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;
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|---------------------------|
| Keys: | 103 keys |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | 405.0mm x 150.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|--|--|
| RoHS compliant, CE and FCC certified, MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, drop, rain, salt mist, dust, fungus, solar radiation etc.) | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V405TP-FN-BL-FC-SC-ANA-151B-BT

Feature

IP67 fully sealed dynamic waterproof and durable embedded ultra thin rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, with fully sealed waterproof reinforced wide temperature touchpad with 400DPI for fast and accurate cursor position as well as 2 left and right mouse buttons, 12 function keys (F1, F2, ... F12) are on top line for easy operation, utilizing rugged scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation. High quality black titanium electroplated stainless steel front plate with sinking holes, durable coating & anti-microbial keyboard surface to withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. 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, salt mist, dust, 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;
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|---------------------------|
| Keys: | 86 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | 405.0mm x 150.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|--|--|
| RoHS compliant, CE and FCC certified, MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, drop, rain, salt mist, dust, fungus, solar radiation etc.) | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V405-MTB-AVR-RM-FN-BL-FC-SC-ANA-151B-BT

Feature

IP67 fully sealed dynamic waterproof and durable embedded rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, with 38.0mm anti-vibration and removable black resin mechanical trackball with +400 DPI resolutions for fast and accurate fixing cursor position with extreme smooth operation without any noise, 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 top line for easy operation, utilizing rugged scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation. High quality black titanium electroplated stainless steel front plate with sinking holes, durable coating & anti-microbial keyboard surface to withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. 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, salt mist, dust, 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;
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|---------------------------|
| Keys: | 86 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | 405.0mm x 150.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|--|--|
| RoHS compliant, CE and FCC certified, MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, drop, rain, salt mist, dust, fungus, solar radiation etc.) | |
| Protection Level: | IP67 |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V405-OTB-A/R-RM-FN-BL-FC-SC-ANA-151B-BT

Feature

IP67 fully sealed dynamic waterproof and durable embedded ultra thin rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, with anti-vibration and removable 38.0mm waterproof silvered hardened resin optical trackball with +800 DPI resolutions for fast and accurate fixing cursor position with extreme smooth operation without any noise, 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 top line for easy operation, utilizing rugged scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation. High quality black titanium electroplated stainless steel front plate with sinking holes, durable coating & anti-microbial keyboard surface to withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. 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, salt mist, dust, 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;
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|---------------------------|
| Keys: | 86 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | 405.0mm x 150.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|--|--|
| RoHS compliant, CE and FCC certified, MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, drop, rain, salt mist, dust, fungus, solar radiation etc.) | |
| Protection Level: | IP67 |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V455-FN-BL-FC-SC-ANA-151B-DWP-M102-OTB-AVR

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, The high quality rugged aluminum alloy panel is processed by CNC. Integrated with IPX6 rated ergonomic rugged anti-vibration and removable 34.0mm optical thumb ball mouse (300~1200 CPI resolutions) for fast and accurate cursor position. 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. High quality durable black titanium spray-paint on the aluminum alloy panel. Top panel mounting solution., adjustable white backlight (Red/Green/Yellow optional) 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, salt mist, drop, dust, 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.

Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|---------------------------|
| Keys: | 86 keys |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | 455.0mm x 172.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|--|--|
| RoHS compliant, CE and FCC certified, MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, drop, rain, salt mist, dust, fungus, solar radiation etc.) | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V455-FN-BL-FC-SC-ANA-151B-M58-OMS

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard, with built-in ultra-thin Flexible Printed Circuit, The high quality rugged aluminum alloy panel is processed by CNC. Integrated with a conventional and movable optical mouse, the mouse is featured with right & left clicking and scrolling up and down key, as well as one adjustable key to adjust DPI. 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. The keyboard is designed with a drain hole on the back to prevent damage of liquids & air inside. High quality durable black titanium spray-paint on the aluminum alloy panel. Top panel mounting solution, adjustable white backlight (Red/Green/Yellow optional) 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, salt mist, drop, dust, 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.

Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|---------------------------|
| Keys: | 86 keys |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | 455.0mm x 172.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|--|--|
| RoHS compliant, CE and FCC certified, MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, drop, rain, salt mist, dust, fungus, solar radiation etc.) | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



IP67 ANTI-PRY SCISSORS SWITCH KEYBOARD

Rugged Keyboards and Mice Expert



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 mine/oil and gas/transportation/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. Ranging from our off-the-shelf products to customized one, we can always deliver you a satisfying solution! Besides, our products have obtained many certificates/testing reports including but not limit to CE, RoHS, FCC, ESD, REACH, GJB151A-1997, GJB150A-2009, GJB151B-2013, MIL-STD-461G-EMC-EMI-EMS-ESD, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), IEC60945-2002, IP67, IP68, Medical, Explosive-proof as well as patent certificates.

Advantages of this series of products

1. NO MOQ
2. Top and rear panel mounted solution optional
3. Keyboard and casing are sealed and ruggedized, easy for maintenance
4. Keep the advantages of superior light and comfortable tactile feeling of regular scissor switch keyboards, fast typing experience and will not easily get fatigued
5. Fully sealed dynamic waterproof patented technology to solve the defects of non-waterproofness of regular scissor switch keyboards
6. Fully rugged structure to solve the defects of regular scissor switch keyboards that are not resistant to prying, scratch or vibration
7. Upgrade to fully sealed rugged and super thin FPC patented structure from membrane switch, which solves well the problem of failing to work under -40°C to $+75^{\circ}$ or humidity
8. Keep the benefits to press the side or four corners of keys, there are fast and sensitive data input, the four corners and sides of keys as well as the front will fall at the same time, but without tilt
9. Designed to meet MIL-STD-461G-EMC-EMI-EMS-ESD
10. Designed to meet MIL-STD-810H (high and low wide temperature of -40°C to $+75^{\circ}\text{C}$, low pressure, humidity, vibration, shock, temperature shock, rain, dust, fungus, solar radiation etc.)
11. Designed to meet these 10 critical standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity;
12. Others

Disadvantages of this series of products

1. The whole rugged structure is a bit thicker and heavier than regular scissors switch keyboards
2. Gaps between rugged frame and keys which is not good to withstand dust and sandstorm
3. Higher cost for small quantities
4. Others



Part Number: K-TEK-V277TP-FN-BL-FC-PR-ML-DWP

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, integrated with the fully sealed waterproof and reinforced wide-temperature touchpad with 400 DPI resolutions for fast cursor position as well as with 2 left and right mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, the key caps are designed to be pry-resistant, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**.
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data





| | |
|------------------|---------------------------|
| Keys: | 90 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | 294.0mm x 184.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°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-V277TP-FN-BL-FC-PR-AL-ML-DWP | With rugged aluminum alloy front plate |
|  | K-TEK-V277-FN-BL-FC-PR-AL-DWP+TP85-DML+2K-FC | With rugged aluminum alloy front plate and touchpad |
|  | K-TEK-V277-FN-BL-FC-PR-DWP+TP85-DML+2K-FC | Keyboard with touchpad |
|  | K-TEK-V277-FN-BL-FC-PR-ANA-151B-DWP+TP85+2K | With touchpad and MIL-STD-461G-EMC-EMI-EMS-ESD standard |



Part Number: K-TEK-V277TP-FN-BL-FC-PR-AL-ML-DWP

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, the front panel is equipped with an aluminum alloy frame to reinforce and prevent keyboard deformation, integrated with the fully sealed waterproof and reinforced wide-temperature touchpad with 400 DPI resolutions for fast cursor position as well as with 2 left and right mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, the key caps are designed to be pry-resistant, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)** Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|---------------------------|
| Keys: | 90 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | 296.0mm x 186.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V277-FN-BL-FC-PR-AL-DWP+TP85-DML+2K-FC

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, the front panel is equipped with an aluminum alloy frame to reinforce and prevent keyboard deformation, with fully sealed external waterproof and reinforced wide-temperature touchpad with 400 DPI resolutions for fast cursor position as well as with 2 left and right mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, the key caps are designed to be pry-resistant, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)** Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|--|
| Keys: | 80 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 296.0mm x 132.2mm (L x W), TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V277-FN-BL-FC-PR-DWP+TP85-DML+2K-FC

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, with fully sealed external waterproof and reinforced wide-temperature touchpad with 400 DPI resolutions for fast cursor position as well as with 2 left and right mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, the key caps are designed to be pry-resistant, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**.
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|--|
| Keys: | 80 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 294.0mm x 130.2mm (L x W), TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V277-FN-BL-FC-PR-ANA-151B-DWP+TP85+2K

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, with fully sealed waterproof and reinforced wide-temperature touchpad with 400 DPI resolutions for fast cursor position as well as with 2 left and right mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, the key caps are designed to be pry-resistant, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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, salt mist, dust, 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.
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|--|
| Keys: | 80 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 294.0mm x 130.2mm (L x W), TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, drop, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V296-FN-BL-FC-PR-DWP+TP85-DML+2K-FC

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, with fully sealed external waterproof and reinforced wide-temperature touchpad with 400 DPI resolutions for fast cursor position as well as with 2 left and right mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, the key caps are designed to be pry-resistant, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity;
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|--|
| Keys: | 86 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 313.0mm x 130.2mm (L x W), TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°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-V296-FN-BL-FC-PR-AL-DWP
+TP85-DML+2K-FC

With rugged aluminum alloy front plate



K-TEK-V296-FN-BL-FC-PR-ANA-151B
-DWP+TP85+2K

MIL-STD-461G-EMC-EMI-EMS-ESD standard



Part Number: K-TEK-V296-FN-BL-FC-PR-AL-DWP+TP85-DML+2K-FC

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, the front panel is equipped with an aluminum alloy frame to reinforce and prevent keyboard deformation, with fully sealed external waterproof and reinforced wide-temperature touchpad with 400 DPI resolutions for fast cursor position as well as with 2 left and right mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, the key caps are designed to be pry-resistant, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**.
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

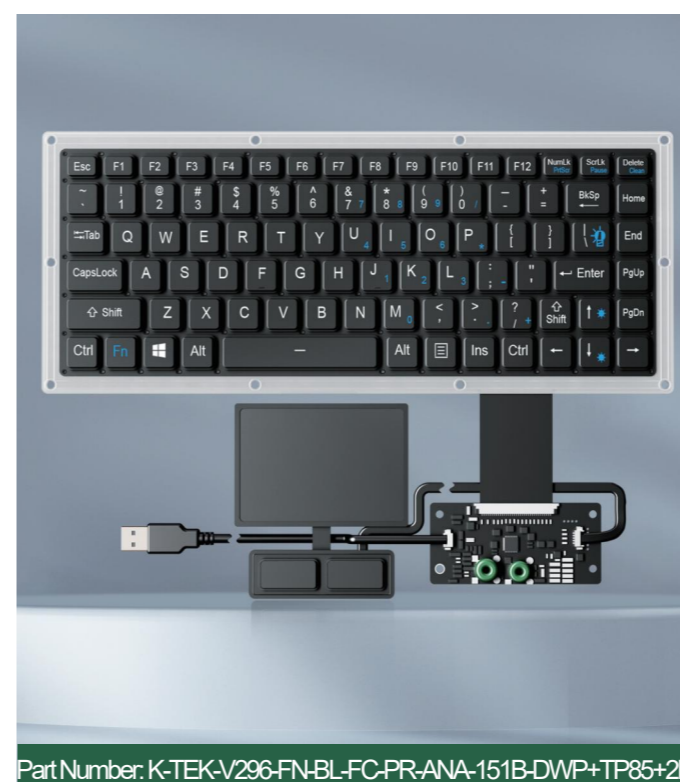
| | |
|------------------|--|
| Keys: | 86 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 315.0mm x 132.2mm (L x W), TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V296-FN-BL-FC-PR-ANA-151B-DWP+TP85+2K

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, with fully sealed external waterproof and reinforced wide-temperature touchpad with 400 DPI resolutions for fast cursor position as well as with 2 left and right mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, the key caps are designed to be pry-resistant, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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, salt mist, dust, 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.
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|--|
| Keys: | 86 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 313.0mm x 130.2mm (L x W), TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, drop, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V315-FN-BL-FC-PR-DWP+TP85-DML+2K-FC

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, with fully sealed external waterproof and reinforced wide-temperature touchpad with 400 DPI resolutions for fast cursor position as well as with 2 left and right mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, the key caps are designed to be pry-resistant, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity;
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|--|
| Keys: | 92 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 332.0mm x 130.2mm (L x W), TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°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-V315-FN-BL-FC-PR-AL-DWP+TP85-DML+2K-FC

With rugged aluminum alloy front plate



K-TEK-V315-FN-BL-FC-PR-ANA-151B-DWP+TP85+2K

MIL-STD-461G-EMC-EMI-EMS-ESD standard



Part Number: K-TEK-V315-FN-BL-FC-PR-AL-DWP+TP85-DML+2K-FC

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, the front panel is equipped with an aluminum alloy frame to reinforce and prevent keyboard deformation, with fully sealed external waterproof and reinforced wide-temperature touchpad with 400 DPI resolutions for fast cursor position as well as with 2 left and right mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, the key caps are designed to be pry-resistant, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**.
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|--|
| Keys: | 92 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 334.0mm x 132.2mm (L x W), TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V315-FN-BL-FC-PR-ANA-151B-DWP+TP85+2K

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, with fully sealed waterproof and reinforced wide-temperature touchpad with 400 DPI resolutions for fast cursor position as well as with 2 left and right mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, the key caps are designed to be pry-resistant, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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, salt mist, dust, 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.
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|--|
| Keys: | 92 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 332.0mm x 130.2mm (L x W), TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, drop, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V356KP-FN-BL-FC-PR-DM-DWP

Feature

IP67 fully dynamic sealed waterproof and durable rugged patented scissor switch keyboard with built-in ultra-thin dot matrix Flexible Printed Circuit, with 12 function keys (F1, F2, ... F12) on top line for easy operation as well as numeric keys on right side. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, the key caps are designed to be pry-resistant, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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.) as well as the 10 critical standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**.
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|-------------------------------------|
| Keys: | 86 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 373.0mm x 130.2mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | Dot matrix |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |

Optional Configuration



K-TEK-V356KP-FN-BL-FC-PR-DWP
+TP85-DML+2K-FC

Keyboard with touchpad



K-TEK-V356KP-FN-BL-FC-PR-ANA
-151B-DWP+TP85+2K

With touchpad and
MIL-STD-461G-EMC-EMI
-EMS-ESD standard



K-TEK-V356KP-FN-BL-FC-PR-AL
-DWP+TP85-DML+2K-FC

With rugged aluminum alloy
front plate and touchpad



Part Number: K-TEK-V356KP-FN-BL-FC-PR-DWP+TP85-DML+2K-FC

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, with fully sealed external waterproof and reinforced wide-temperature touchpad with 400 DPI resolutions for fast cursor position as well as with 2 left and right mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation, with numeric keys on right side. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, the key caps are designed to be pry-resistant, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**. Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|--|
| Keys: | 102 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 373.0mm x 130.2mm (L x W), TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V356KP-FN-BL-FC-PR-ANA-151B-DWP+TP85+2K

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, the front panel is equipped with an aluminum alloy frame to reinforce and prevent keyboard deformation, integrated with the fully sealed waterproof and reinforced wide-temperature touchpad with 400 DPI resolutions for fast cursor position as well as with 2 left and right mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation, with numeric keys on right side. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, the key caps are designed to be pry-resistant, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + LOCK** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**. Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|--|
| Keys: | 102 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 373.0mm x 130.2mm (L x W), TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, drop, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V356KP-FN-BL-FC-PR-AL-DWP+TP85-DML+2K-FC

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, the front panel is equipped with an aluminum alloy frame to reinforce and prevent keyboard deformation, with fully sealed external waterproof and reinforced wide-temperature touchpad with 400 DPI resolutions for fast cursor position as well as with 2 left and right mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation, with numeric keys on right side. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, the key caps are designed to be pry-resistant, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + CLEAN** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**.
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|--|
| Keys: | 102 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 375.0mm x 132.2mm (L x W), TouchPad: 86.0mm x 61.0mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V356TP-FN-BL-FC-PR-ML-AL-DWP

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, the front panel is equipped with an aluminum alloy frame to reinforce and prevent keyboard deformation, integrated with the fully sealed waterproof and reinforced wide-temperature touchpad with 400 DPI resolutions for fast cursor position as well as with 2 left and right mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation, with numeric keys on right side. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, the key caps are designed to be pry-resistant, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + LOCK** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**.
Patented keyboard (Patent number: 202422198937.6)

Mechanical Data

| | |
|------------------|-------------------------------------|
| Keys: | 86 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 375.0mm x 132.2mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |



Part Number: K-TEK-V356TP-FN-BL-FC-PR-ML-DWP

Feature

IP67 fully dynamic sealed waterproof and durable embedded ultra thin rugged patented scissor switch keyboard with built-in ultra-thin Flexible Printed Circuit, integrated with the fully sealed waterproof and reinforced wide-temperature touchpad with 400 DPI resolutions for fast cursor position as well as with 2 left and right mouse buttons. 12 function keys (F1, F2, ... F12) are on top line for easy operation, with numeric keys on right side. It adopts scissor switch technology with 1.20mm±0.10mm key travel with extremely good tactile feeling for fast and accurate data input without any noise, the key caps are designed to be pry-resistant, there will be no key value missing, no stuck key or repeat output during the keyboard operation, with durable coating & anti-microbial keyboard surface withstand most chemicals and liquids under harsh environment. **FN + LOCK** combination keys for easy cleaning without taking the keyboard away from PC to avoid mis-operation or mis-typing. Adjustable white backlight included, panel mount solution. 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.) as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; **MIL-STD-461G-EMC-EMI-EMS-ESD (optional)**. **Patented keyboard (Patent number: 202422198937.6)**

Mechanical Data

| | |
|------------------|-------------------------------------|
| Keys: | 86 keys + 2 mouse buttons |
| Key Travel:: | 1.20±0.10mm |
| Key Lifespan: | >5 million actuations |
| Actuation Force: | 0.8N±0.2N |
| Dimension: | Keyboard: 373.0mm x 130.2mm (L x W) |

Electrical Data

| | |
|--------------------|--|
| Supply Voltage: | DC +5V±5% |
| Working Current: | ≤30mA when backlight is off, ≤300mA with backlight on |
| Connect Interface: | USB |
| OS: | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed). |

Reliability

| | |
|---|--|
| RoHS compliant, CE and FCC certified, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.). | |
| Protection Level: | IP67 (front panel) |
| MTBF: | >20000H |
| MTTR: | <30min |
| Operating Temperature: | -40°C ~ +65°C |
| Storage Temperature: | -50°C ~ +75°C |
| APPLICATION: | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, notebook, UAV ground station, GCS etc. |