



KEY TECHNOLOGY (CHINA) LIMITED

深圳市键特电子有限公司



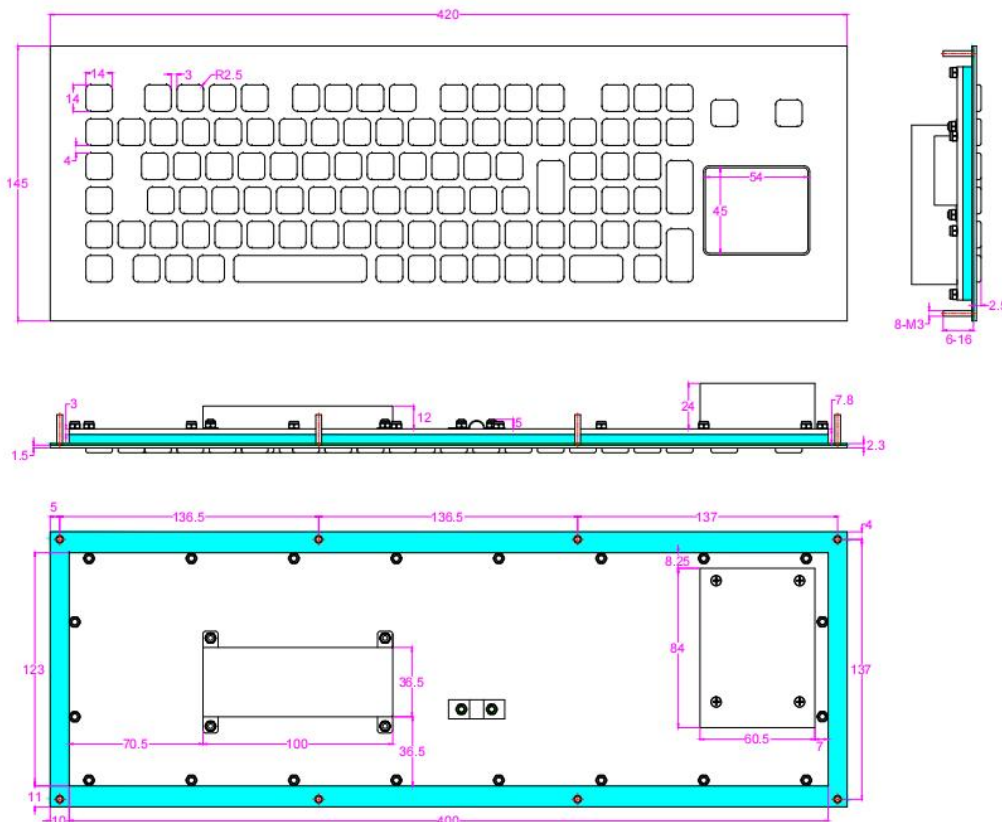
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MODEL NO.: K-TEK-A420TP-KP-FN-DWP

DESCRIPTION:

103 Keys Compact Format IP67 dynamic Vandal Proof Stainless Steel Industrial Keyboard with full keyboard functionalities, with IP65 dynamic sealed & ruggedized tough touchpad with scroll function (optional) for fast and accurate cursor position, function keys F1, F2..F10, F11, F12 are on the top line for easy operation, with numeric keypad, industrial PCB with carbon-on-gold key switch technology with long stroke (2.0mm) with extremely good tactile feeling for fast and accurate data input without any noise, one complete silicone rubber under the top stainless steel plate for easy mounting & sealing tightly with cabinet, stainless steel top plate with threaded bolts for top panel mounting solution. Which is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, dirt, salt mist etc, no rust risk and anti-salt spray corrosion.

DIMENSIONS: 420.0mm x 145.0mm (top panel)





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APPLICATION

- This Keyboard is mainly targeted for use for unsupervised or semi-supervised positions of varied access applications, internet terminals and information kiosks at universities, shopping malls, hotels, banks, airports, railway-stations and other public areas, ticket vending machines, gas stations, cash machines (ATMs/CDM), Internet public phones etc.

MAIN FEATURE

- The keyboard can be dynamic washable with water and other liquids, it can work well even under direct water pouring on the keyboard.
- The full keyboard can be locked/disabled via FN + Clean combination keys for easy cleaning without needing to take the keyboard away from PC.
- Imposing stainless steel design, specially designed keyboards meet the highest demands with regard to design, functionality, longevity and high protection level.
- Stainless steel fascia and key-tops guard willful destruction, vandal-proof, against corrosion, weather-proof especially under extreme climatic conditions, water proof/dirt proof, operation under hostile environments.
- Waterproof execution according to IP67 protection from top panel, top stainless steel plate with threaded bolts for easy tightly mounting to enclosure or panel.
- An excellent tactile feel with full-long travel switches and allow users to achieve fast and accurate data input without any noise. With firm tactile perception for comfortable operation
- Internet friendly key layout, key-tops are laser-etched in legends and characters for easy readability, long life to prevent lettering rub-off.
- Metal keys are protected against twisting and levering which can not be dislodged from front, or defaced removing key covers.
- Ease of customizing with multiple languages, to accommodate foreign or custom variants.
- Complete electronic modules including controller in close consultation with our customers are available.
- PS/2, USB connection plug-and-play with PC via PC existing OS driver, no needing of install separate driver.
- The numeric keypad between keyboard and trackball is available with encryption module supporting DES/TDES for bank usage of CDM/ATM.

MECHANICAL DATA

- Actuator/keys: 103 keys, super quality SUS304 brushed stainless steel
- Key top style: Protuberant rectangular keys, laser engraved & etched legends & raised braille on keys are available
- Key Size: 14.0mm x 14.0mm for normal keys, 14.0mm x 28.0mm for enter key, 14.0mm x 70.0mm for space bar.
- Key travel: 2.0mm
- Actuation Force: 1.2 N+/-0.1N for key 14.0mm x 14.0mm (pressure point), 2.0N+/-0.1N for key 14.0mm x 28.0mm (pressure point)
- Switch life: more than 5million of operations.
- Front Plate: 1.5mm thickness super quality brushed stainless steel
- Back Plate: 3.0mm thickness brushed & oxidized aluminium
- Touchpad: sealed and ruggedized tough touchpad.





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Touchpad cover: Composite

More than Lifetime 5 million strokes

Mutual Capacitance sensing

X/Y position sensing resolution: 40 counts/mm

X/Y position reporting: Relative

Output (self-detectable depending on cable): PS2 or USB

Tracking speed: Maximum 1,016 m/sec

Power supply voltage: 5 VDC \pm 0.25V

Current rating (active mode): 17 mA

- G.W.: 2.10KGs
- Dimensions: 420.0mm x 145.0mm (front panel) , 400.0mm x 125.0mm (back panel)

ELECTRICAL DATA

- Supply Voltage: +5V DC +/-5%
- Current Rating: appr. 50mA
- EMC Standard: EN 55032:2015, EN 55035:2017
- Lifespan > 5 years
- Switch Contact Material: Carbon-on-Gold key switch technology PCB.
- Interface: PS2, USB available
- **OS: All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed).**

ENVIRONMENTAL ADAPTABILITY

- Operating temperature: -20°C to +60°C
- Storage temperature: -30°C to +70°C
- Operating RH: 30-90%
- Atmospheric pressure: 60-106Kpa.
- Saline mist: 96 hours, IEC 60512-6
- Damp heat test at + 40°C: 21 days, IEC 60512-6
- Dry heat test at + 85°C: 10 days, IEC 60512-6

RELIABILITY

- **RoHS Compliant, CE and FCC, ESD**
- **Protection Level: IP67**
- **Vandal resistant IK08**
- Key Lifespan >5 million actuations
- MTBF >20000H
- MTTR <30min

