



# KEY TECHNOLOGY (CHINA) LIMITED

## 深圳市键特电子有限公司



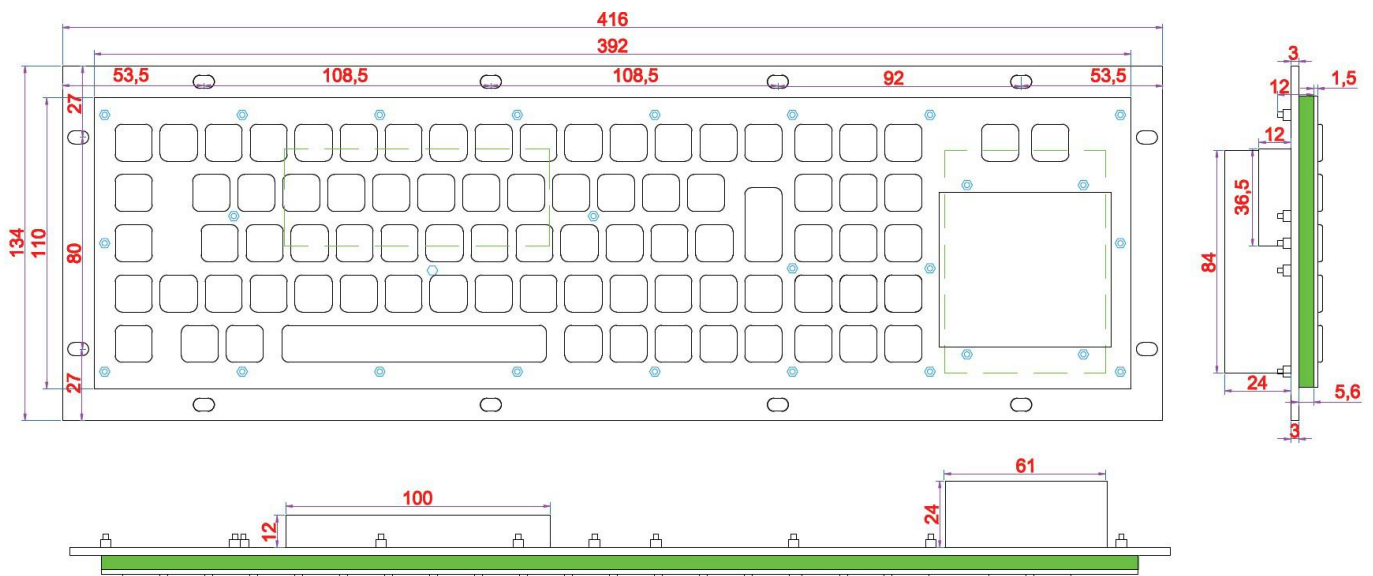
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**MODEL NO.: K-TEK-A392TP-KP**

**DESCRIPTION:**

81 Keys Compact Format IP65 static Vandal Proof Stainless Steel industrial Keyboard with IP65 dynamic sealed & ruggedized tough touchpad with scroll function (optional) for fast and accurate cursor position, 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, numeric keypad (optional PINPAD with Encryption Electronics Controller supporting DES/TDES), with rear panel mounting solution.

**DIMENSIONS:** 392.0mm x 110.0mm (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

- 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 IP65 protection from top panel, rear aluminium plate with mounting holes easily & 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: 81 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 100.0mm for space bar.
- Key travel: 2.0mm
- Actuation Force: 0.6 N+/-0.1N for key 14.0mm x 14.0mm (pressure point), 1.2 N+/-0.1N for key 14.0mm x 28.0mm (pressure point)
- Switch life: more than 10 million 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.  
Touchpad cover: Composite  
More than Lifetime 10 million strokes  
Mutual Capacitance sensing





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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.: 1.80KGs
- Dimensions: 392.0mm x 110.0mm (front panel) , 416.0mm x 134.0mm (back panel)

### ELECTRICAL DATA

- Supply Voltage: +5V DC +/-5%
- Current Rating: appr. 30mA
- EMC Standard: It is compliance with the council IEC 61000-4-2:2008; IEC 61000-4-3:2006+A1:2007+A2:2010; IEC 61000-4-4:2004
- EMI: EN 55022: 2010
- EMS: EN 55024:2010
- Lifespan > 5 years
- Switch Contact Material: Carbon-on-Gold key switch technology PCB.
- Interface: PS2, USB available, RS232 for EPP
- If needed, numeric keypad is available to be with encryption electronics controller supporting DES/Triple DES.
- **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: IP65(front panel)**
- **Vandal resistant IK09**
- Key Lifespan >10 million actuations
- MTBF >50000H
- MTTR <30min

