

**MODEL NO.: K-TEK-A420-OTB-KP-FN****DESCRIPTION:**

100 Keys Compact Format IP65 static Vandal Proof Stainless Steel industrial Keyboard with full keyboard functionalities, with IP68 dynamic rated washable 38.0mm stainless steel optical trackball module with 800 DPI resolutions for fast and accurate cursor position with extremely smooth operation without any noise, 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), function keys F1, F2..F10, F11, F12 are on the top line for easy operation, 3 mouse buttons designed for right & left clicking and scrolling up and down with ball rolling, 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. IP68 dynamic trackball module with direct drain pipe is optional, no rust risk and anti-salt spray corrosion.

**DIMENSIONS:** 420.0mm x 145.0mm (top panel)

**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, 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 need 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: 100 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
- Tracker ball: 38.1mm (1.5') diameter, IP65 static 400DPI mechanical trackball, IP68 dynamic washable 800DPI optical trackball, IP68 dynamic 1200DPI laser trackball are all available.
- G.W.: 2.50KGs
- 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. 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