



# KEY TECHNOLOGY (CHINA) LIMITED

# 深圳市键特电子有限公司



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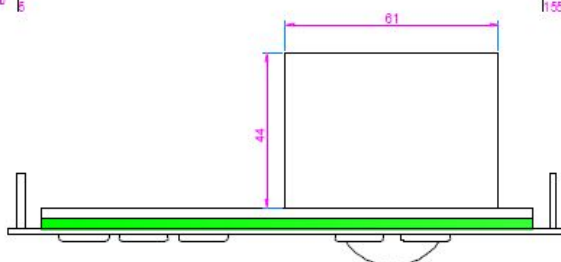
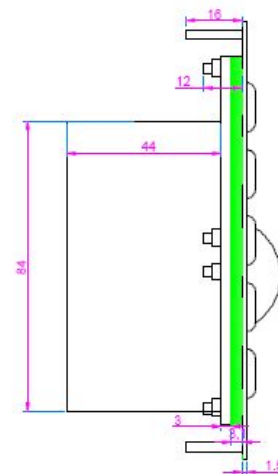
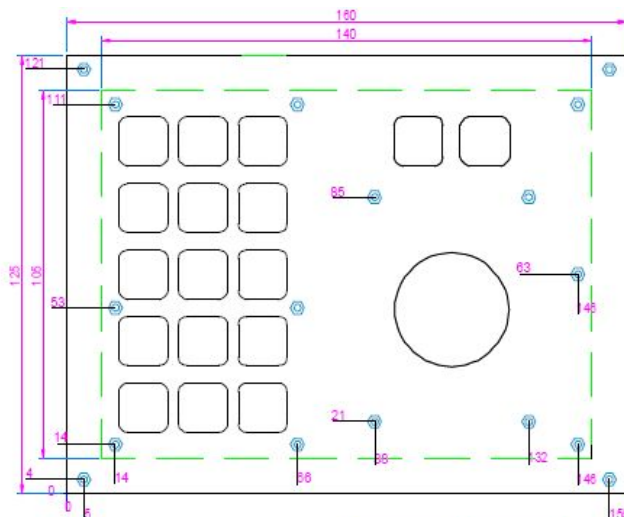
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**MODEL NO.:** K-TEK-B160-38-LTB-KP

**DESCRIPTION:** IP65 dynamic Vandal proof Stainless Steel industrial Trackball with IP68 dynamic washable 38mm laser trackball module with 1200 DPI resolutions for fast and accurate fixing cursor position with extreme smooth operation without any noise, with integrated numeric keypad, industrial metal dome PCB with gold-on-gold key switch technology with short stroke 0.45mm with excellent tactile feeling for stable and accurate data input, stainless steel top plate with threaded bolts for top panel mounting solution.

Dimensions: 160.0mm x 125.0mm (top panel)





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### APPLICATION

- This trackball with keypad is mainly targeted for use for unsupervised or semi-supervised positions of varied access applications, internet terminals and information kiosks, ticket vending machines, gas stations, Internet public phones etc.

### MAIN FEATURE

- Imposing stainless steel design, specially designed trackball with keypad meets the highest demands with regard to design, functionality, longevity and high protection level. We design and manufacture complete electronic modules including controller in close consultation with our customers.
- 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 degree of protection IP65 from the panel, the keypad is sealed against the ingress of liquid and dirt, when mounted in a suitable enclosure.
- The keyboards have 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.
- Easily mounting into enclosure or panel, and is provided with PS/2, USB connection output cables that plug directly into the host computer for operations.
- The numeric keypad can be with encryption module supporting DES/TDES for bank usage of CDM/ATM (This is optional).

### MECHANICAL DATA

- Key: 17 keys, super quality brushed stainless steel
- Key top style: Protuberant rectangular keys, with laser engraved and etched legends and raised braille on keys are available
- Key Size: 14.0mm x 14.0mm.
- Key travel: 0.45mm
- Tracker ball: 38mm (1.5") diameter (IP65 static mechanical trackball with 400DPI; IP68 dynamic washable optical trackball with +800DPI; IP68 dynamic washable Laser trackball with +1200DPI).
- Black phenolic trackballs are available.
- Switch life: more than 3 million of operations.
- 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)
- Front Plate: Super quality brushed stainless steel
- Lettering: Sunk laser legends & characters in high quality ink
- Actuator/keys materials: stainless steel
- G.W. 1.20KGs
- Dimensions: 160.0mm x 125.0mm (front panel), 140.0mm x 105.0mm (back panel)

### ELECTRICAL DATA

- Supply Voltage: +5V DC +/-5%





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- Current Rating: appr. 30mA
- 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
- Contact Material: Carbon / Gold
- Interface: PS2, RS232, USB available. RS232 for encryption PINPAD option.
- If needed, OS: PS2/RS232: Win NT4, 98SE, 98ME, 2000, XP
- **OS: All windows, Linux, Unix, Mac OSX**

### 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

