KEY TECHNOLOGY (CHINA) LIMITED
深圳市键特电子有限公司

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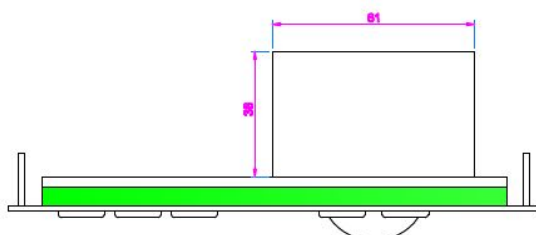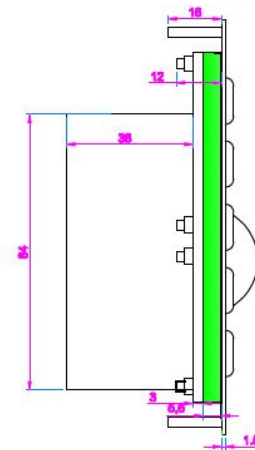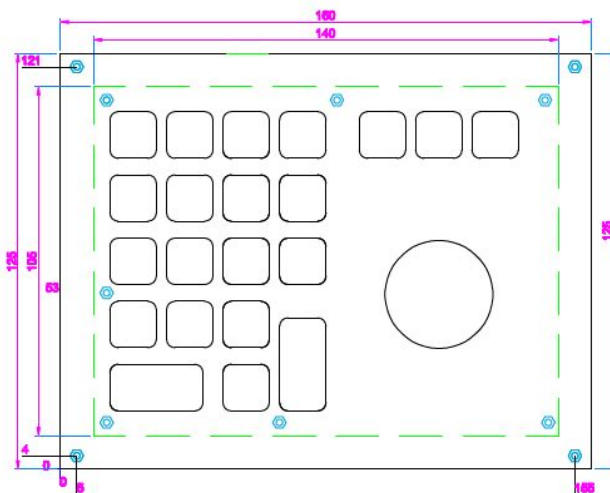Tel:+86 755 89239859,89230460,85232807
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MODEL NO.:   K-TEK-A160-OTB-38-KP

DESCRIPTION: IP65 dynamic rated Vandal proof Stainless Steel industrial Trackball with IP68 dynamic washable 38mm optical trackball module with 800 DPI resolutions for fast and accurate fixing cursor position with extreme smooth operation without any noise, with integrated 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, 3 mouse buttons designed for right & left clicking and scrolling up and down with ball rolling, stainless steel top plate with threaded bolts for top panel mounting solution.

DIMENSIONS: 160.0mm x 125.0mm (front panel)

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Product Classifications and Descriptions			IP Rated TB
K-TEK-A160-MTB-38-KP	400 DPI Mechanical Trackball	PS/2;USB	IP65 static
K-TEK-A160-OTB-38-KP	800 DPI Optical Trackball	PS/2;USB	IP68 dynamic
K-TEK-A160-LTB-38-KP	1200DPI Laser Trackball	PS/2;USB	IP68 dynamic
Other language versions/interfaces/configuration available on request			

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 or 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.

MECHANICAL DATA

Key: 21 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: 2.0mm
Tracker ball: 38mm (1.5') diameter, Resolution 800 edges/revolution.
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

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Website:www.key-tek.cn,www.ikb-mkb.com

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%

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+AI: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