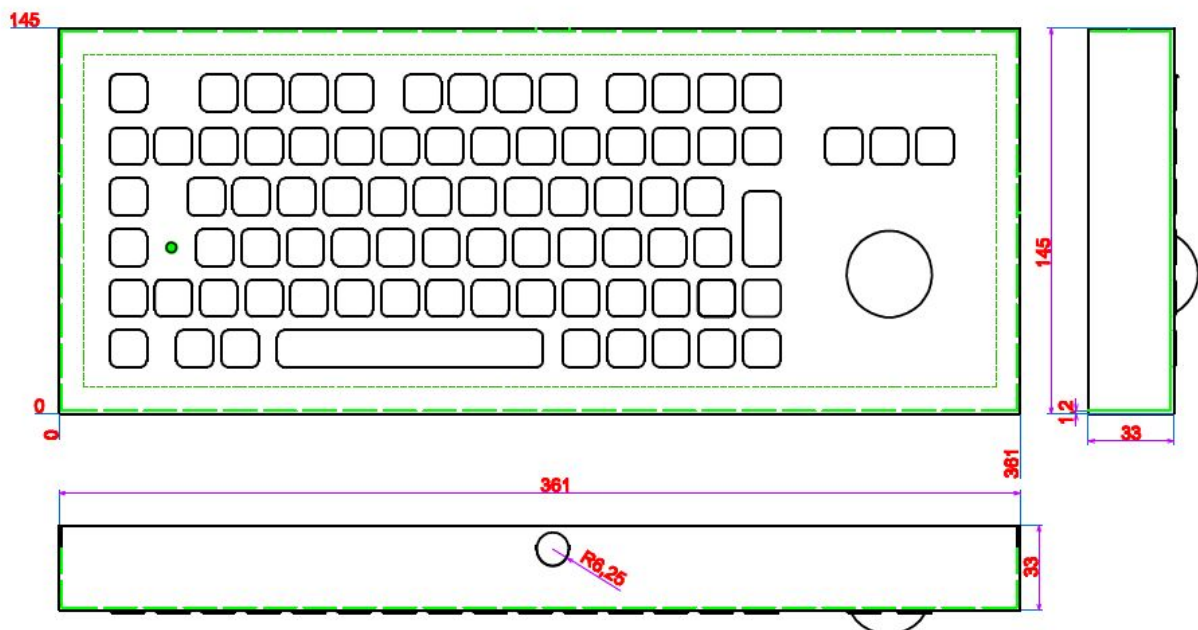


# METAL KEYBOARDS

## DESCRIPTION:

82 keys compact format IP65 static vandal proof stainless steel industrial keyboard 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, functional keys F1, F2, F3...F10, F11, F12 are on the top line for easy operation, 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, Movable stand alone DESK TOP VERSION, or mountable desktop with mounting holes on the bottoms for fixing. IP68 dynamic trackball module with direct drain pipe is optional, no rust risk and anti-salt spray corrosion.

**DIMENSIONS:** 361.0mm x 145.0mm x 32.0mm (L x W x H)



Product Classifications and Descriptions			IP Rated TB
	Keyboard; IP65 static Mechanical Trackball with 400 DPI; FN Keys (3-in-1)	PS/2;USB	IP65 static
	Keyboard; IP68 dynamic washable Optical Trackball with 800 DPI; FN Keys (3-in-1)	PS/2;USB	IP68 dynamic

#### 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.
- 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.

#### MECHANICAL DATA

- Actuator/keys: 82 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.
- Stainless Steel Housing: full 1.20mm thickness super quality brushed stainless steel
- Tracker ball: 38.1mm (1.5') diameter, IP65 static 400DPI mechanical trackball, IP68 dynamic washable 800DPI optical trackball



- G.W.: 2.50KGs
- Dimensions:361.0mm x 145.0mm x 32.0mm (L x W x H)

#### ELECTRICAL DATA

- Supply Voltage: +5V DC +/-5%
- Current Rating: appr. 30mA (non-backlight)
- 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
- **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

