



# KEY TECHNOLOGY (CHINA) LIMITED

## 深圳市键特电子有限公司



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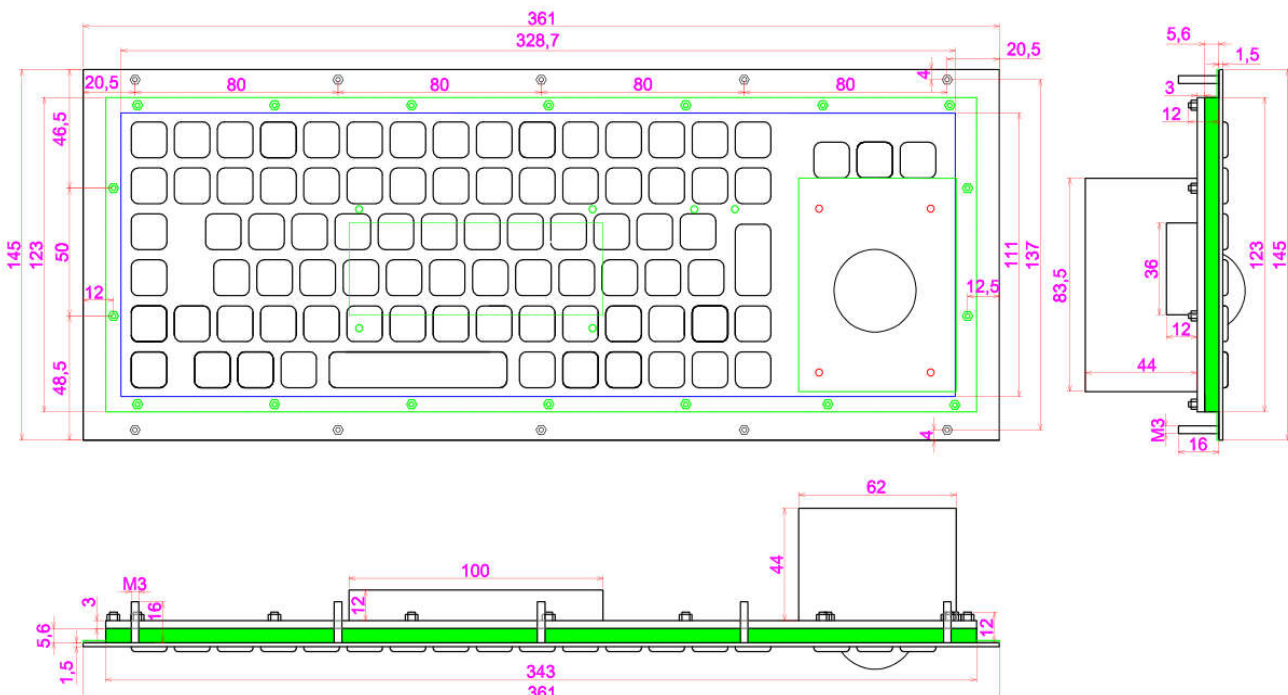
**MODEL NO.: K-TEK-A361-LTB-FN-DWP**

### DESCRIPTION:

84 keys compact format IP67 dynamic washable vandal proof stainless steel industrial keyboard with IP68 dynamic rated washable 38.0mm stainless steel laser trackball module with 1200 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. functional keys F1, F2, F3...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 sealing silicone rubber under top stainless steel plate for easy mounting & sealing tightly with cabinet, top stainless steel plate with side threaded bolts for top panel mounting solution.

Which is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, dirt, salt mist etc, IP68 dynamic trackball module with direct drain pipe is optional, which is without metal parts inside to avoid rust risk and anti-salt spray corrosion.

**DIMENSIONS:** 361.0mm x 145.0mm (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

- The keyboard can be dynamic washable with water and other liquids, it can work well even under direct water pouring On the keyboard.
- The full keyboard can be locked/disabled via FN + Clean combination keys for easy cleaning without needing to take the keyboard away from PC.
- 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 IP67 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 needing of install separate driver.

## MECHANICAL DATA

- Actuator/keys: 84 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 70.0mm 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: IP68 dynamic 1200DPI laser trackball are all available.
- G.W.: 2.0KGs
- Dimensions: 361.0mm x 145.0mm (front panel), 343.0mm x 125.0mm (back panel)





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#### **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
- **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: IP67(front panel)**
- **Vandal resistant IK09**
- Key Lifespan >10 million actuations
- MTBF >50000H
- MTTR <30min

