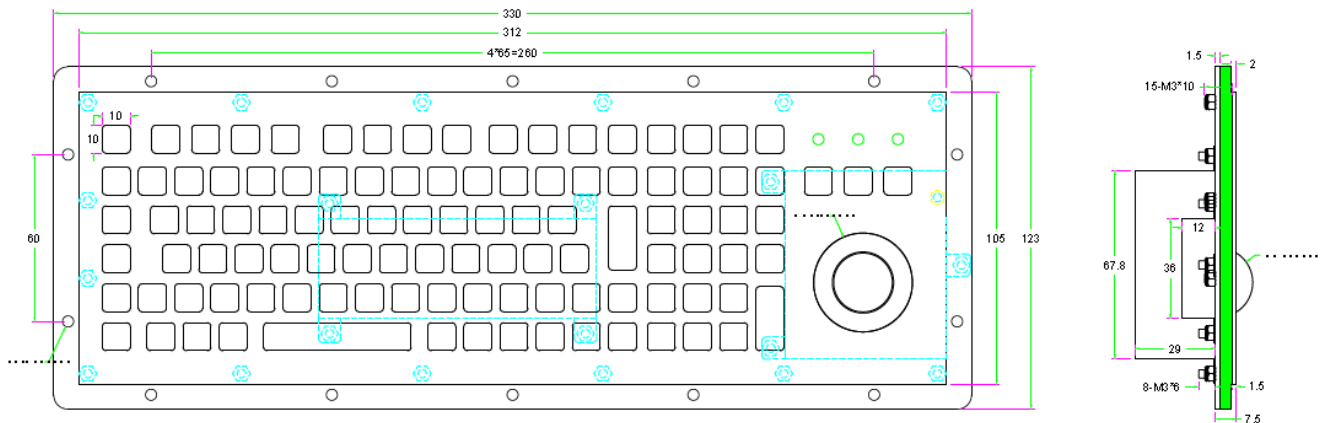


**MODEL NO.: K-TEK-B312-OTB-KP-FN-UT-DWP**

**DESCRIPTION:** 102 keys MINI ultra thin compact format horizontal IP67 dynamic water proof rated vandal proof stainless steel industrial keyboard with full functionalities, with IP68 dynamic rated washable 25.0mm stainless steel optical trackball module with 800 DPI resolutions for fast and accurate position with extremely smooth operation, industrial metal dome PCB electronics controller module with gold-on-gold key switch technology with short stroke 0.45mm with excellent tactile feeling for stable and accurate data input, with numeric keypad included and 12 function keys(F1, F2..F10, F11, F12) on the top line for easy operation. IP68 washable optical trackball module without metal parts inside, no rust risk and with anti-salt spray corrosion function, 3 mouse buttons designed for right & left clicking and scrolling up and down with ball rolling, FN + CLEAN combination key to lock/disable the entire keyboard for easy cleaning and washing without needing to take away the keyboard from PC, rear stainless steel plate with water-tight sealing gasket for easy sealing and tightening with cabinet or panel, rear panel mounting solution, industrial backlight optional.(Red/blue/white/green optional). Which is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, dirt, salt mist etc, no rust risk and anti-salt spray corrosion.

**DIMENSIONS:** 312.0mm x 105.0mm (front panel)



SARL AU CAPITAL DE 100 000 Euros

RCS NIMES B 424 522 472 00051 – APE 4651Z – TVA Intracom. : FR11424522472

Tél. : 04.66.74.18.73 Fax : 04.66.74.36.84 E-Mail : niconix@niconix.com - Web : www.niconix.com

## 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.
- 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, rear stainless steel plate with mounting holes for easy tightly mounting to enclosure or panel.
- An excellent tactile feel with short stroke switches and allow users to achieve stable 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: 104 keys, super quality SUS304 brushed stainless steel
- Key top style: Non-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: 0.45mm
- Actuation Force: 2.0N+/-0.1N for key 14.0mm x 14.0mm (pressure point) 4.0N+/-0.1N for key 14.0mm x 28.0mm (pressure point)
- Switch life: more than 5 million of operations.
- Front Plate: 1.5mm thickness super quality brushed stainless steel
- Back Plate: 1.5mm thickness brushed & oxidized aluminium
- G.W.: 1.60KGs
- Dimensions: 312.0mm x 105.0mm (front panel) , 330.0mm x 123.0mm (back panel)

## ELECTRICAL DATA

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

SARL AU CAPITAL DE 100 000 Euros

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- 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: Gold-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: IP67 (front panel)**
- **Vandal resistant IK10**
- Key Lifespan >5 million actuations
- MTBF >50000H
- MTTR <30min