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

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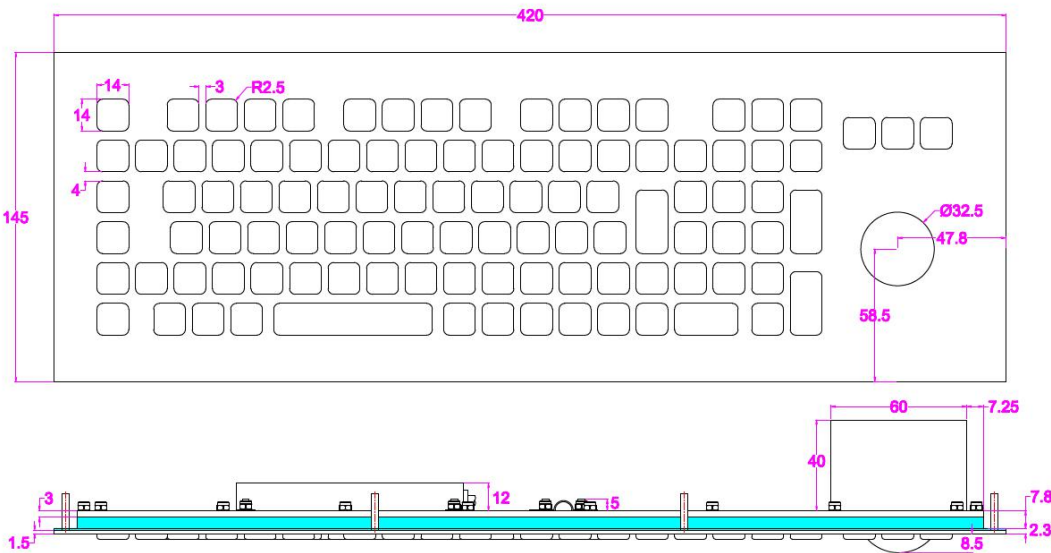Tel:+86 755 89239859,89230460,85232807
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MODEL NO.: K-TEK-A420-OTB-KP-FN-DWP

DESCRIPTION: 104 keys (including 3 mouse buttons) IP65 dynamic 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, function keys F1, F2..F10, F11, F12 are on the top line for easy operation, with numeric keypad , fully sealed and ruggedized industrial PCB with carbon-on-gold key switch technology with long stroke (1.50±0.10mm) 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, and stainless steel top plate with threaded bolts and water-tight gasket for easy & tightened sealing, with top panel mounting solution. FN+Clean combination keys to lock/disable the whole keyboard for easy cleaning without error output. 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, without metal parts insideto avoid rust risk and anti-salt spray corrosion.

DIMENSIONS: 420.0mm x 145.0mm (top panel)

MAIN FEATURE

- 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 IP65 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.

MECHANICAL DATA	
Actuator/keys	104 keys(including 3 mouse buttons)
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	1.50±0.10mm
Actuation Force	1.5N±0.2N for key 14.0mm x 14.0mm (pressure point), 2.5N±0.2N for key 14.0mm x 28.0mm (pressure point)
Front Plate	1.5mm thickness super quality brushed stainless steel
Back Plate	3.0mm thickness brushed & oxidized aluminium
Switch life	more than 5 million of operations
Tracker ball	38.0mm stainless steel optical trackball module, silver resin ball module optional
G.W.	2.50KGs
ELECTRICAL DATA	
Supply Voltage	+5V DC ± 5%
Current Rating	100mA

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EMC Standard	EN 55032:2015 EN 55035:2017
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℃ to +65℃
Storage temperature	-30℃ to +75℃
Operating RH	30-90%
Atmospheric pressure	60-106Kpa
Saline mist	96 hours, IEC 60512-6
Damp heat test at +40℃	21 days, IEC 60512-6
Dry heat test at +85℃	10 days, IEC 60512-6
RELIABILITY	
RoHS Compliant, CE and FCC, ESD	
Protection Level	IP65 dynamic (front panel)
Vandal resistant	IK08
Key Lifespan	>5 million actuations
MTBF	>20000H
MTTR	<30min
APPLICATIONS	Industrial, coal and mine, medical, bank kiosk and self service terminal, public access, explosion-proof automation, oil and gas etc.

- PS/2, USB connection plug and play with PC via PC existing OS driver, no needing of install separate driver.
- The numeric keypad between keyboard and trackball is available with encryption module supporting DES/TDES for bank usage of CDM/ATM.