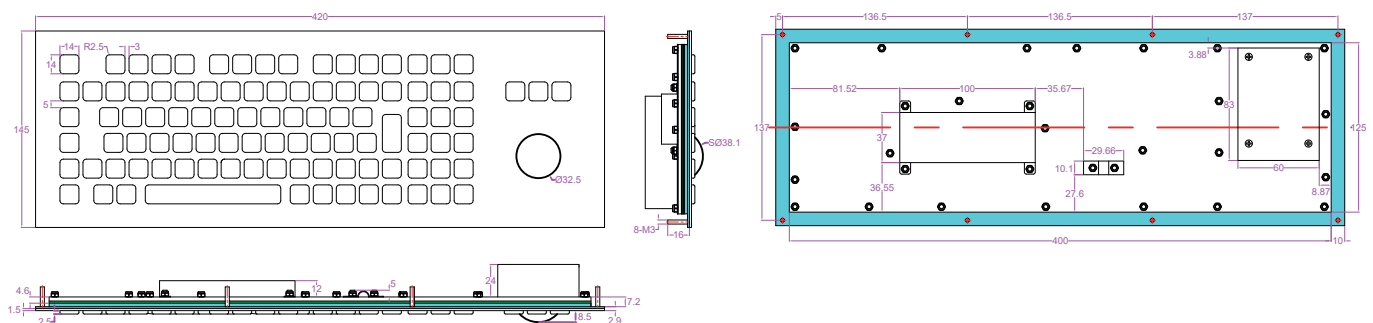# Industrial Keyboards | INOX Series | GPK-A420-OTB-KP-FN

MODEL NO.: GPK-A420-OTB-KP-FN

DESCRIPTION:

100 Keys Compact Format IP65 static Vandal Proof Stainless Steel industrial Keyboard with full keyboard functionalities, with IP68 static 38.0mm stainless steel mechanical trackball module with 400 DPI resolutions, industrial PCB with carbon-on-gold key switch technology with long stroke (1.50mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, with numeric keypad, function keys F1, F2..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 silicone rubber under the top stainless steel plate for easy mounting & sealing tightly with cabinet, stainless steel top plate with threaded bolts for top panel mounting solution.

DIMENSIONS: 420.0mm x 145.0mm (top panel)

* All technical data, specification and performance figures subject to change without notice.

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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

- 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.
- PS/2, USB connection plug and play with PC via PC existing OS driver, no needing of install separate driver.

MECHANICAL DATA	
Actuator/keys	100 keys (including 3 mouse buttons)
Key top style	Protuberant rectangular keys, laser engraved & etched legends & raised braille on keys are optional
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	1.50±0.10mm
Actuation Force	3.5N±0.2N for key 14.0mm x 14.0mm (pressure point), 7.0N±0.4N for key 14.0mm x 28.0mm (pressure point)
Switch life	more than 5 million of operations
Trackball	38.0mm (1.5') diameter, IP65 static 400DPI mechanical trackball module
G.W.	2.50KGs
ELECTRICAL DATA	

Supply Voltage	+5V DC ± 5%
Current Rating	50mA
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
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.