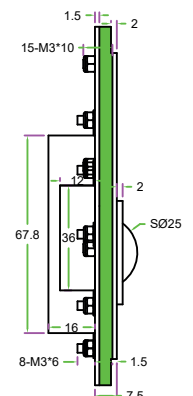
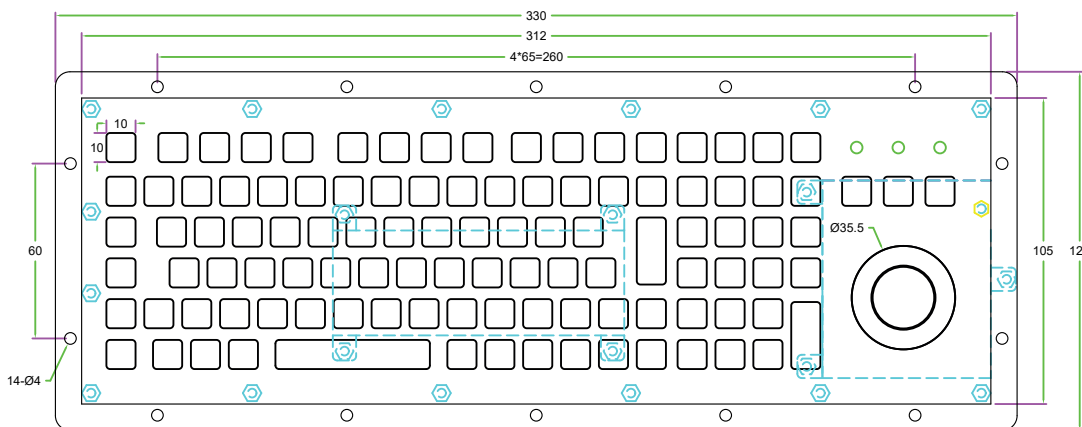


## Industrial Keyboards | INOX Series | GPK-B312-MTB-KP-FN-DWP

### MODEL NO.: GPK-B312-MTB-KP-FN-DWP

**DESCRIPTION:** 107 keys (including 3 mouse buttons) MINI ultra thin compact format horizontal IP65 dynamic water proof rated vandal proof stainless steel industrial keyboard with full functionalities, with IP65 static rated 25.0mm stainless steel Mechanical trackball module with 400 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 ( $0.45 \pm 0.05\text{mm}$ ) 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. 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 (top panel)



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

## Industrial Keyboards | INOX Series | GPK-B312-MTB-KP-FN-DWP

### 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, 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	107 keys (including 3 mouse buttons)
Key top style	Non-protuberant rectangular keys, laser engraved & etched legends on keys are available
Key Size	10.0mm x 10.0mm for normal keys, 10.0mm x 23.0mm for enter key, 10.0mm x 53.0mm for space bar
Key travel	0.45±0.05mm
Actuation Force	2.5N±0.2N for key 10.0mm x 10.0mm (pressure point ), 5.0N±0.4N for key 10.0mm x 23.0mm (pressure point)
Front Plate	1.5mm thickness super quality brushed stainless steel
Back Plate	1.5mm thickness super quality brushed stainless steel
Switch life	more than 1 million of operations
Tracker ball	25.0mm mechanical trackball module
G.W.	1.80KGs
ELECTRICAL DATA	
Supply Voltage	+5V DC ± 5%

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## Industrial Keyboards | INOX Series | GPK-B312-MTB-KP-FN-DWP

Current Rating	50mA
EMC Standard	EN 55032:2015    EN 55035:2017
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).
<b>ENVIRONMENTAL ADAPTABILITY</b>	
Operating temperature	-20°C to +65°C
Storage temperature	-30°C to +75°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
<b>RELIABILITY</b>	
RoHS Compliant, CE and FCC, ESD	
Protection Level	IP65 dynamic (front panel)
Vandal resistant	IK09
Key Lifespan	>1 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.

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