KEYBOARDS
& POINTING DEVICES
for the most demanding j

KSGE103-MC1



desktop version



panel mount

- 103 keys, short travel
- IP65 sealing
- ergonomic 38mm trackball

IEC60945 MARINE, WATERPROOF KEYBOARD WITH ERGONOMIC TRACKBALL

Multi-functional keyboard with separate numerical and control keys, complemented by an integrated ergonomic 38mm optical trackball. This keyboard offers unparalleled convenience and precision for a wide range of applications. A perfect synergy of advanced technology and ergonomic design. Panel mount and desktop version available.

MAIN FEATURES

- Certificate of Conformity fully compliant with IEC60945
- Sealing to IP65
- User-friendly layout with separate numerical-, control- and function keypads
- Long-lasting low power LED's with high brightness
- Dimmable backlighting at 8 levels by two dedicated keys (FN key + arrow up/down)
- Intelligent luminosity setting of "numlock" and "capslock" LED's
- Trackball with left, middle and right switch functionality
- Integrated IP68 hall-effect scroll wheel
- Infra-red optical navigation technology
- Removable 38mm ball for easy cleaning
- No external power supply necessary
- No special driver required

PANEL MOUNT VERSION

- Aluminium carrier and silicone sponge panel sealing
- Front panel mounting by means of M3 threaded studs.
- Added silicon sponge seal for perfect sealing into the user's panel
- The rear side components are protected by a covering metal plate
- Bezel for edge protection
- Dimensions: see page 3
- Weight: 1,2 kg

DESKTOP VERSION

- The keyboard is mounted in a robust, all steel enclosure
- Industrial epoxy coating (mid-grey).
- Dimensions: see page 4
- Weight: 1,4 kg

GENERAL TECHNICAL SPECIFICATIONS

KEYBOARD

Sealing	IP65 sealed
Keys	103 short travel switches, tactile feel switches with 0,3 mm travel and 2,55 N operating force
Output	1,8m USB cable type A connector
Power requirements	Directly from USB port
Operating temp.	-15°C to +60°C
Front layer	Black polyester front layer with embossed keys, scratch and chemical resistant

TRACKBALL

Housing material	PC/ABS
Housing colour/finish	Black/fine-textured finish
Base plate material	Aluminium
Base plate finish	Bead blasted & clear anodised
Ball size/material	Ø38.1mm (1.5")/Epoxy resin
Tracking force	20 grams nominal – damper ring seal 30-80 grams – PTFE seal
Ball load	100N (10Kg) maximum downward pressure for 2 minutes @ 20°C
Resolvable ball speed	30 IPS (inches per second)
Tracking engine	Infra-red optical navigation technology
Removable ring	PC/ABS, black

SCROLL WHEEL

Wheel diameter	Ø25mm
Wheel material	PC/ABS
Wheel colour	Grey
Encoding technology	Hall effect
Magnet strength	N42
Detent-scrolling force	30 grams nominal
Switch actuation force	275 ± 125 grams force

LEFT/RIGHT SWITCH

Switch actuation force	250 ± 100 grams force

The company reserves the right to alter without prior knowledge the specification or design of any standard product or service.

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ISO 9001
ISO 14001

ORDER INFO

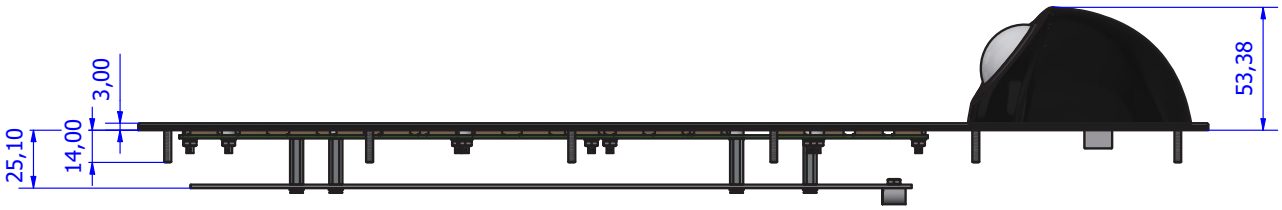
COUNTRY LAYOUT	PANEL MOUNT WITH BEZEL	DEKSTOP VERSION
US Qwerty	**KSGE103B0001-W-MC1**	**KSGE103S0001-W-MC1**
Cyrillic Qwerty	**KSGE103B0007-W-MC1**	**KSGE103S0007-W-MC1**
French Azerty	**KSGE103B0033-W-MC1**	**KSGE103S0033-W-MC1**
Italian Qwerty	**KSGE103B0039-W-MC1**	**KSGE103S0039-W-MC1**
UK Qwerty	**KSGE103B0044-W-MC1**	**KSGE103S0044-W-MC1**
Dannish Qwerty	**KSGE103B0045-W-MC1**	**KSGE103S0045-W-MC1**
Swedish Qwerty	**KSGE103B0046-W-MC1**	**KSGE103S0046-W-MC1**
German Qwertz	**KSGE103B0049-W-MC1**	**KSGE103S0049-W-MC1**
Korean Qwerty	**KSGE103B0082-W-MC1**	**KSGE103S0082-W-MC1**
Turkish Qwerty	**KSGE103B0090-W-MC1**	**KSGE103S0090-W-MC1**

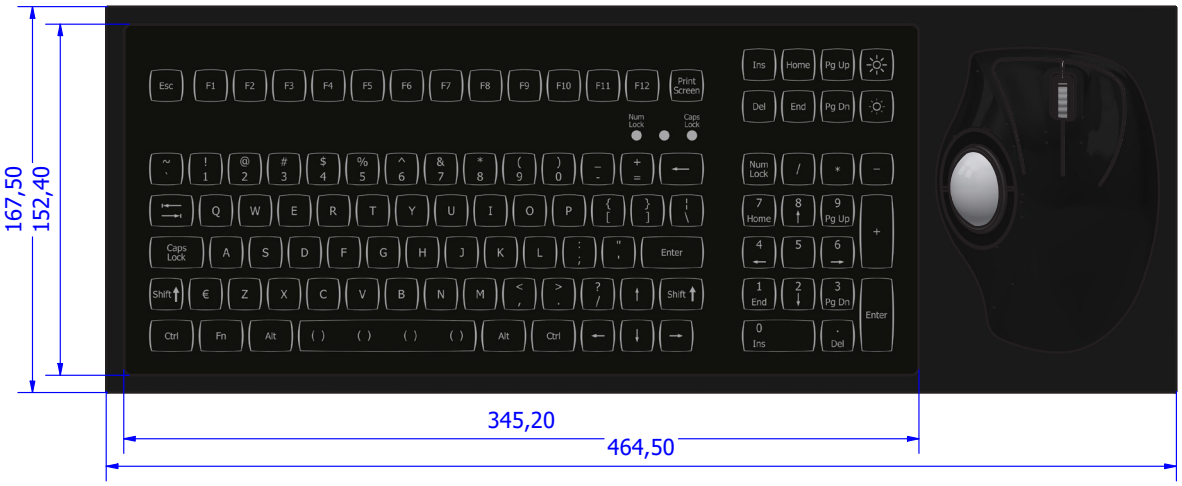
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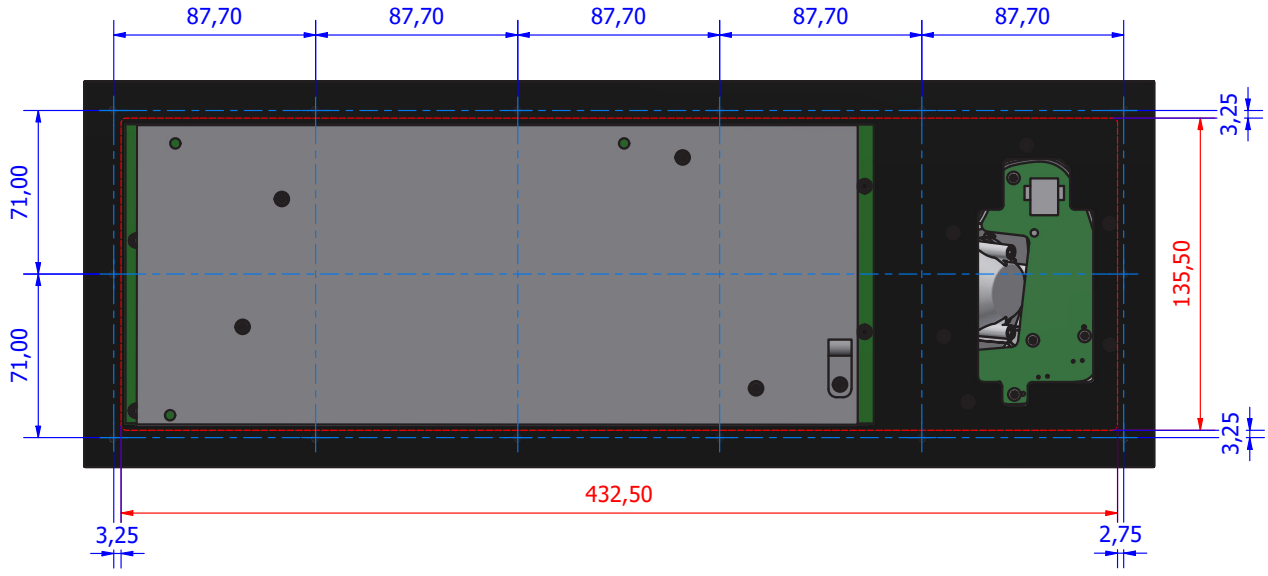
DIMENSIONAL DRAWING

PANEL MOUNT





Build-In Dimensions



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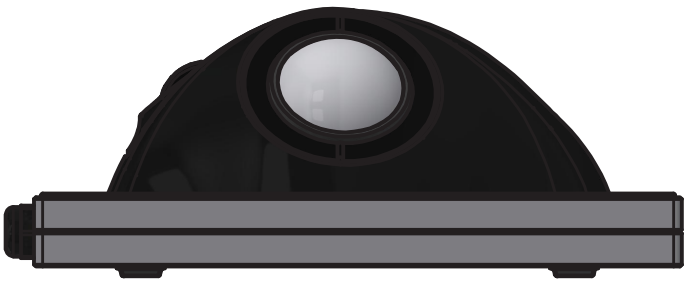
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DIMENSIONAL DRAWING

DESKTOP VERSION







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