



desktop version



panel mount



- 103 keys, short travel
- IP67 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 IP67
- 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: 464,50 x 167,50 x 78,20 mm
- Weight: 1,2 kg

DESKTOP VERSION

- The keyboard is mounted in a robust, all steel enclosure
- Industrial epoxy coating (mid-grey).
- Dimensions: 468 x 171 x 73mm
- Weight: 1,4 kg

GENERAL TECHNICAL SPECIFICATIONS

KEYBOARD

Sealing
Keys

IP67 sealed
103 short travel switches, tactile feel switches with 0,3 mm travel and 2,55 N operating force
1,8m USB cable type A connector
Directly from USB port
-15°C to +60°C
Black polyester front layer with embossed keys, scratch and chemical resistant

Output
Power requirements
Operating temp.
Front layer

TRACKBALL

Housing material
Housing colour/finish
Base plate material
Base plate finish
Ball size/material
Tracking force

PC/ABS
Black/fine-textured finish
Aluminium
Bead blasted & clear anodised
Ø38.1mm (1.5")/Epoxy resin
20 grams nominal – damper ring seal
30-80 grams – PTFE seal
100N (10Kg) maximum downward pressure for 2 minutes @ 20°C
30 IPS (inches per second)
Infra-red optical navigation technology
PC/ABS, black

Ball load

Resolvable ball speed
Tracking engine
Removable ring

SCROLL WHEEL

Wheel diameter
Wheel material
Wheel colour
Encoding technology
Magnet strength
Detent-scrolling force
Switch actuation force

Ø25mm
PC/ABS
Grey
Hall effect
N42
30 grams nominal
275 ± 125 grams force

LEFT/RIGHT SWITCH

Switch actuation force

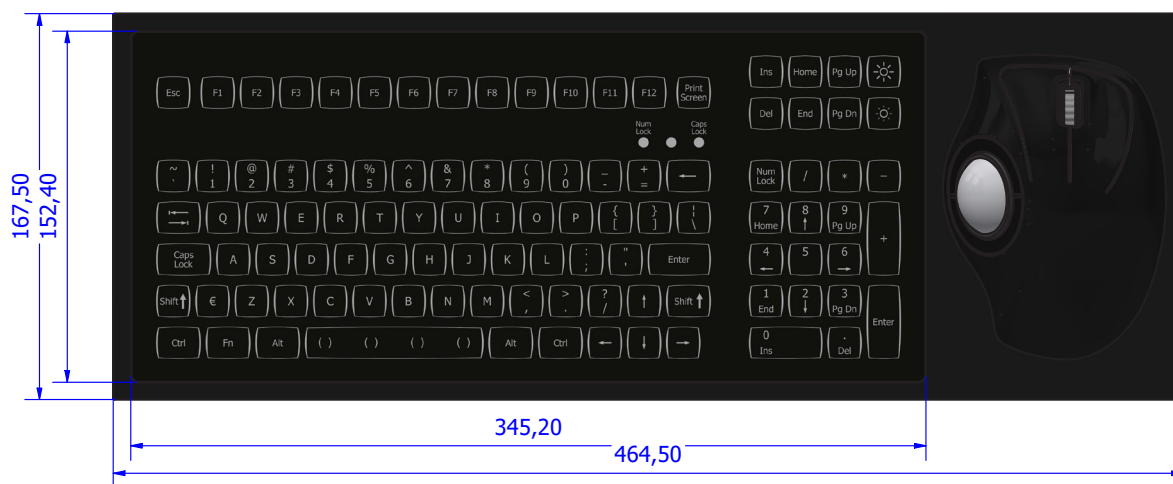
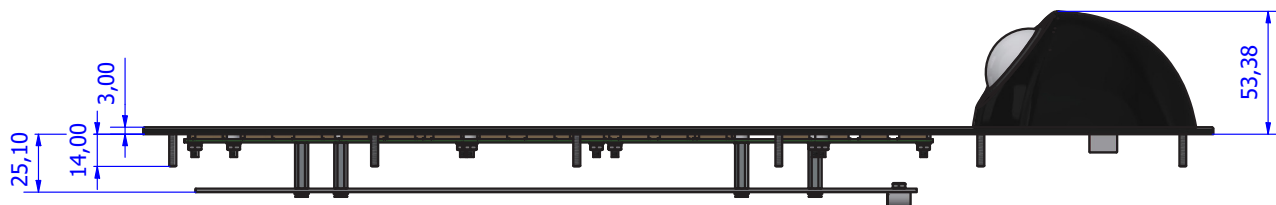
250 ± 100 grams force

ORDER INFO

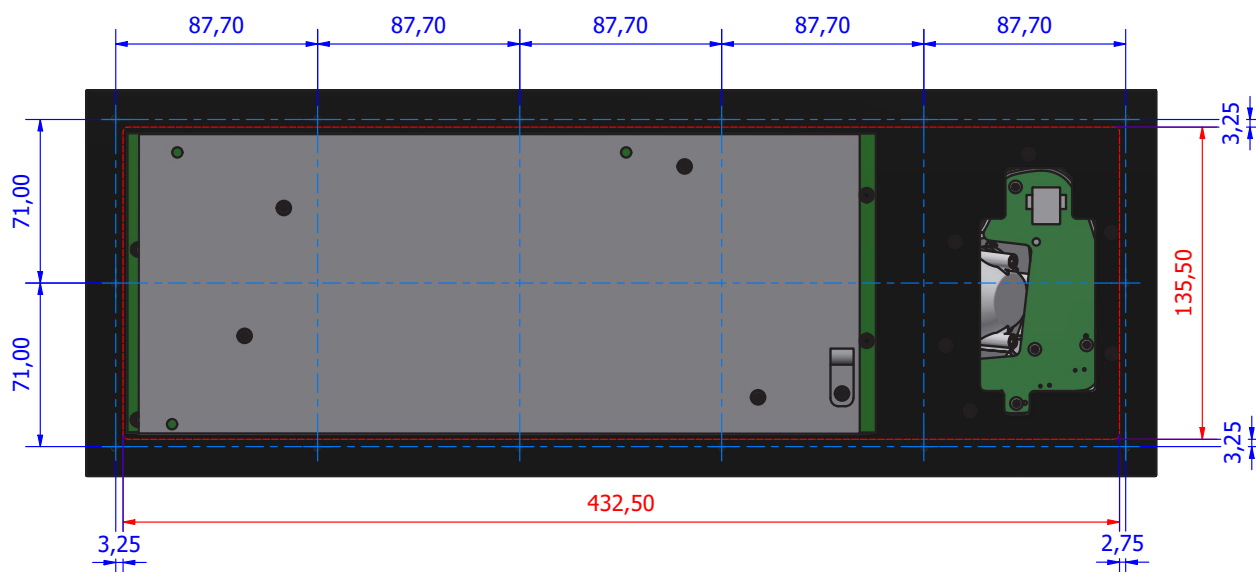
COUNTRY LAYOUT	PANEL MOUNT WITH BEZEL	DEKSTOP VERSION
US Qwerty	KSGE103B0001-W-MC1	KSGE103S0001-W-MC1
Cyrillic Qwerty	KSGE103B0007-W-MC1	KSGE103S0007-W-MC1
French Azerty	KSGE103B0033-W-MC1	KSGE103S0033-W-MC1
Italian Qwerty	KSGE103B0039-W-MC1	KSGE103S0039-W-MC1
UK Qwerty	KSGE103B0044-W-MC1	KSGE103S0044-W-MC1
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

DIMENSIONAL DRAWING

PANEL MOUNT



Build-In Dimensions



DIMENSIONAL DRAWING

DESKTOP VERSION

