



desktop version



panel mount

- 103 keys, short travel
- IP67 sealing
- ergonomic 38mm trackball

## LED BACKLIT 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

- 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

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

Ball load

30-80 grams – PTFE seal

Resolvable ball speed

100N (10Kg) maximum downward pressure for 2 minutes @ 20°C

Tracking engine

30 IPS (inches per second)

Removable ring

Infra-red optical navigation technology

#### SCROLL WHEEL

Wheel diameter

PC/ABS

Wheel material

Grey

Wheel colour

Hall effect

Encoding technology

N42

Magnet strength

30 grams nominal

Detent-scrolling force

275 ± 125 grams force

Switch actuation force

#### LEFT/RIGHT SWITCH

Switch actuation force

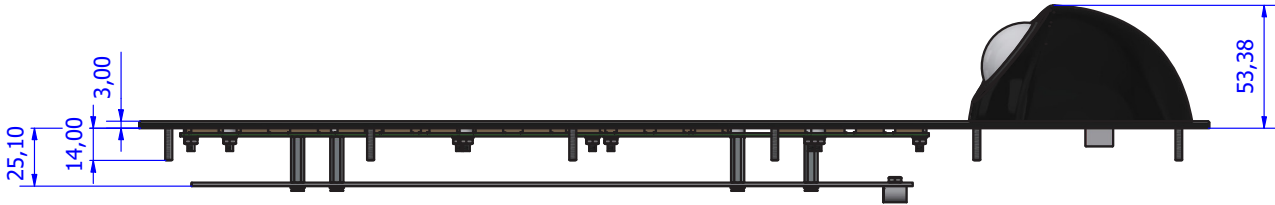
250 ± 100 grams force

### ORDER INFO

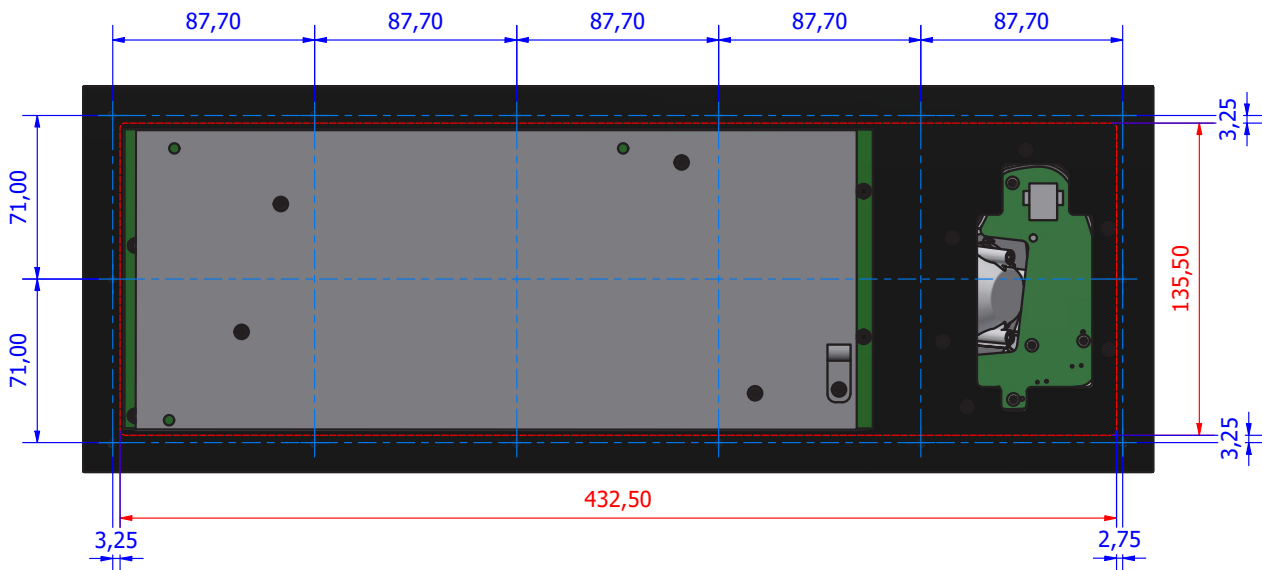
COUNTRY LAYOUT	PANEL MOUNT WITH BEZEL	DEKSTOP VERSION
US Qwerty	KSGE103B0001-WLED	KSGE103S0001-WLED
Cyrillic Qwerty	KSGE103B0007-WLED	KSGE103S0007-WLED
UK Qwerty	KSGE103B0044-WLED	KSGE103S0044-WLED
Dannish Qwerty	KSGE103B0045WLED	KSGE103S0045-WLED
Swedish Qwerty	KSGE103B0046-WLED	KSGE103S0046-WLED
German Qwertz	KSGE103B0049-WLED	KSGE103S0049-WLED
Turkish Qwerty	KSGE103B0090-WLED	KSGE103S0090-WLED

**DIMENSIONAL DRAWING**

**PANEL MOUNT**



Build-In Dimensions



**DIMENSIONAL DRAWING**

**DESKTOP VERSION**

