



desktop version



panel mount

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

## 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 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  
Keys

IP65 sealed

103 short travel switches, tactile feel switches with 0,3 mm travel and 2,55 N operating force

Output  
Power requirements  
Operating temp.  
Front layer

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

#### 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

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  
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**

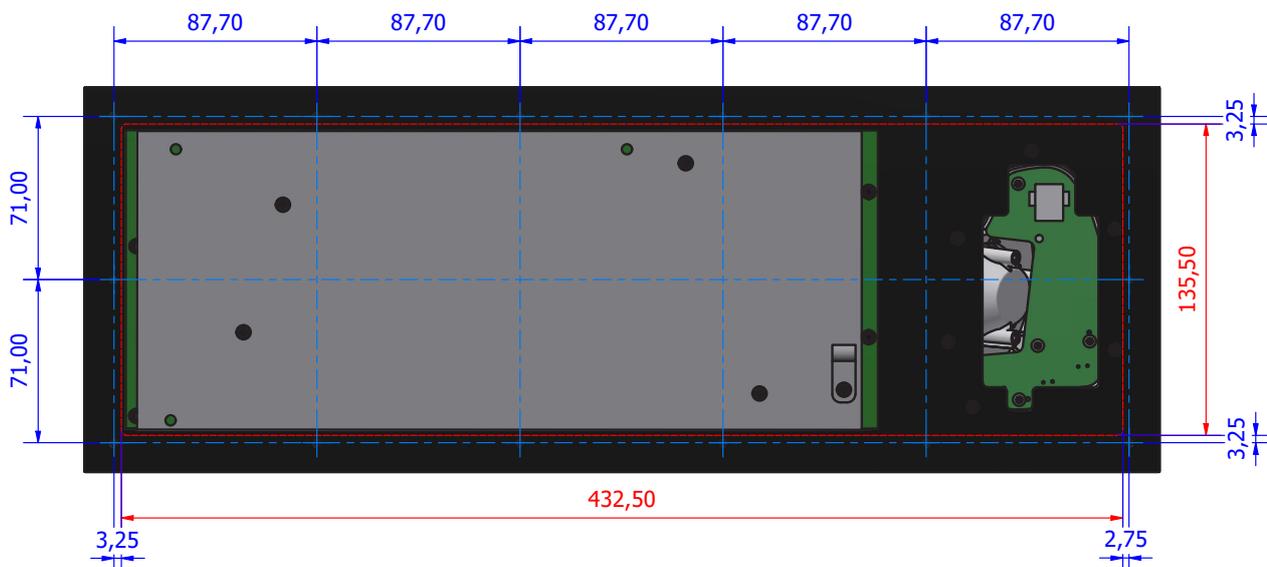
COUNTRY LAYOUT	PANEL MOUNT WITH BEZEL	DEKSTOP VERSION
US Qwerty	<b>KSGE103B0001-WLED</b>	<b>KSGE103S0001-WLED</b>
Cyrillic Qwerty	<b>KSGE103B0007-WLED</b>	<b>KSGE103S0007-WLED</b>
French Azerty	<b>KSGE103B0033-WLED</b>	<b>KSGE103S0033-WLED</b>
Italian Qwerty	<b>KSGE103B0039-WLED</b>	<b>KSGE103S0039-WLED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

**DIMENSIONAL DRAWING**

**PANEL MOUNT**



Build-In Dimensions



**DIMENSIONAL DRAWING**

**DESKTOP VERSION**

