



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  
1,8m USB cable type A connector  
Directly from USB port  
Operating temp. -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

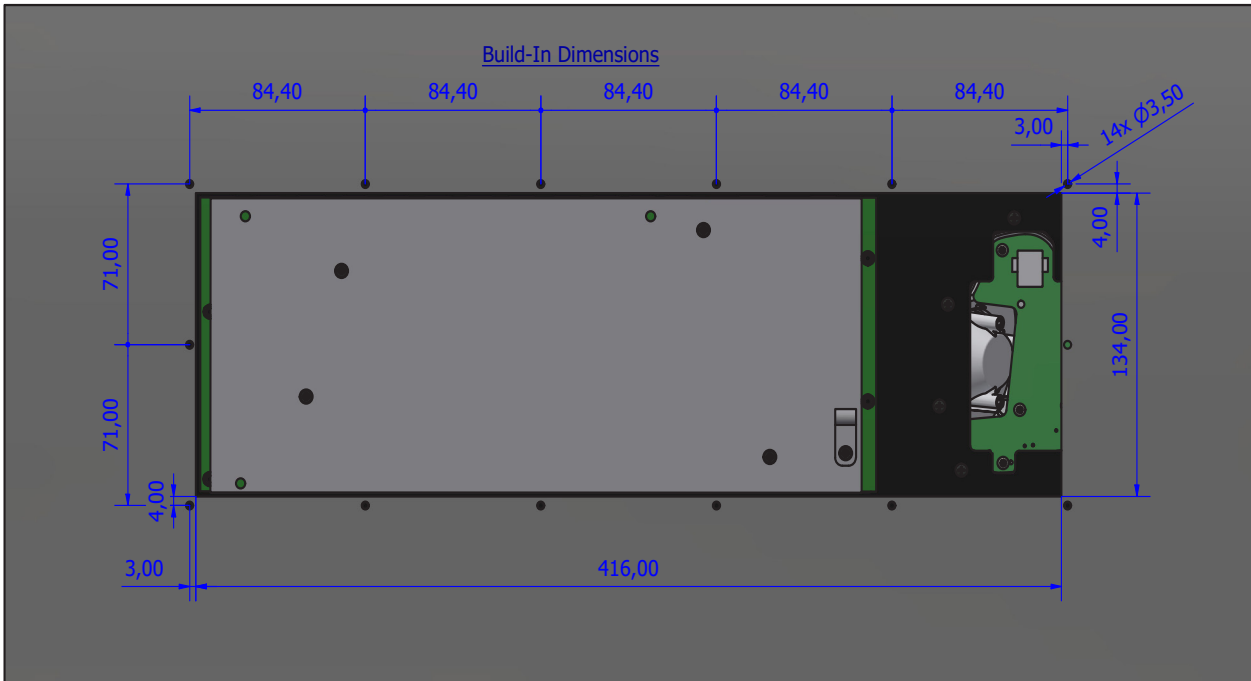
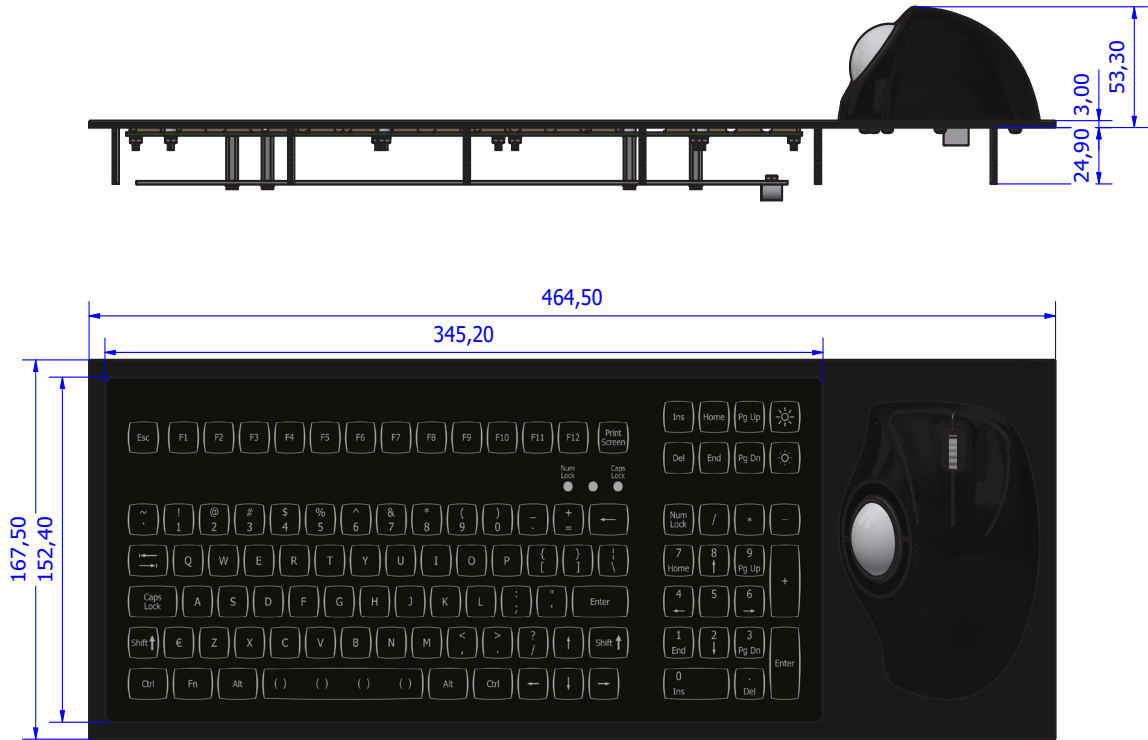
250 ± 100 grams force

### ORDER INFO

| COUNTRY LAYOUT  | PANEL MOUNT WITH BEZEL | DEKSTOP VERSION   |
|-----------------|------------------------|-------------------|
| US Qwerty       | KSGE103B0001-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**



**DIMENSIONAL DRAWING**

**DESKTOP VERSION**

