



panel mount

- 87 keys, full travel
- 38 mm ergonomic trackball
- IP65 sealing

## FULL TRAVEL KEYBOARD WITH ERGONOMIC TRACKBALL

This high quality full travel keyboard is designed for comfort over prolonged periods of use. A reliable, user-friendly solution for all applications which require very accurate pointer control and easy data input.

It ensures durability and visibility in low-light environments. With a high-spec rubber dome key mechanism, 10 million actuations, and illuminated keys. The Backlighting is BUS powered over USB, customizable via PWM signal. The keyboard layout is customizable, and the aluminium construction provides robustness and protection. The integrated trackball module utilizes patented optical technology and IP rated mechanical switches, offering precise cursor control.

### MAIN FEATURES

- Compact layout, 85 full travel keys
- 38 mm waterproof ergonomic trackball with hall-effect scroll wheel
- Sealing to IP65
- Removable ball for easy cleaning

#### PANEL MOUNT VERSION

- Front of panel mounting by ten Ø3.4mm countersunk holes
- Metal protection covers on the backside protect the mechanical- and electrical components.
- Added silicon sponge seal for perfect sealing into the user's panel
- Dimensions: see page 2
- Weight: ±1000 gram

### GENERAL TECHNICAL SPECIFICATIONS

#### KEYBOARD

Sealing	IP65 sealed
Keys	87 full travel keys 3 mm travel and 0.49N - 0.97N operating force
Pointing device	E38 ergonomic trackball
Output	±1,6m USB cable
Power requirements	Directly from USB port
Operating temp.	0°C to +60°C

#### 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

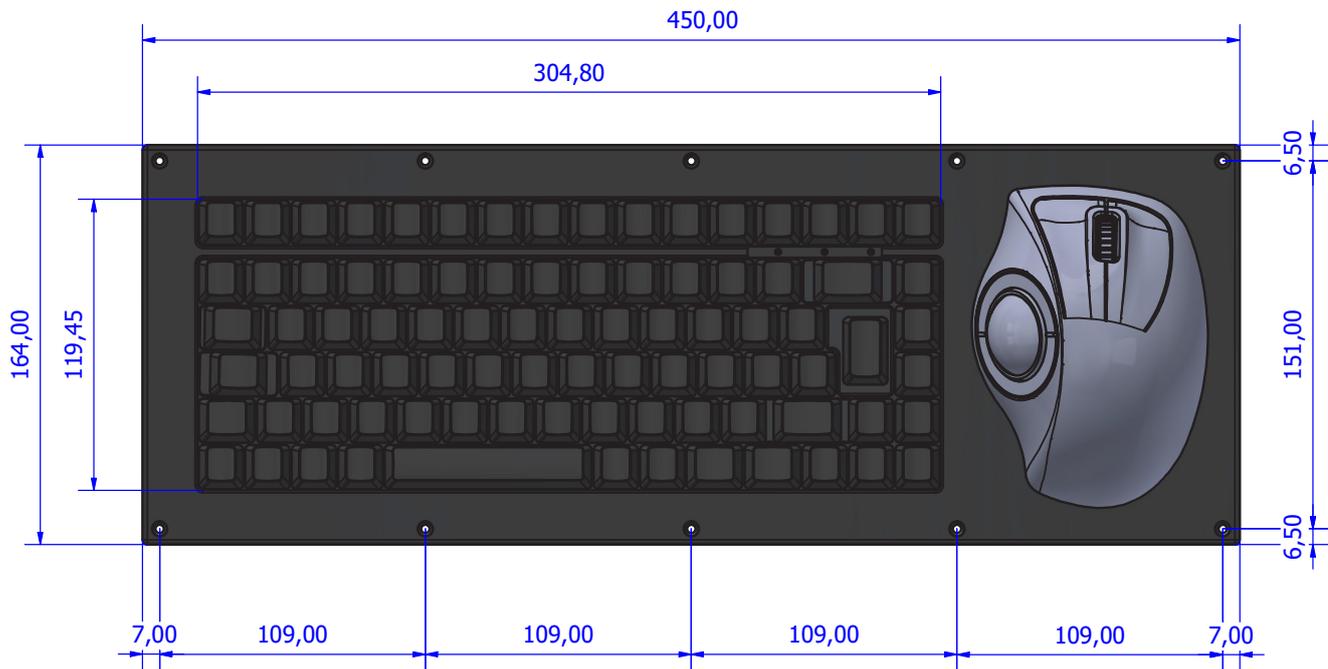
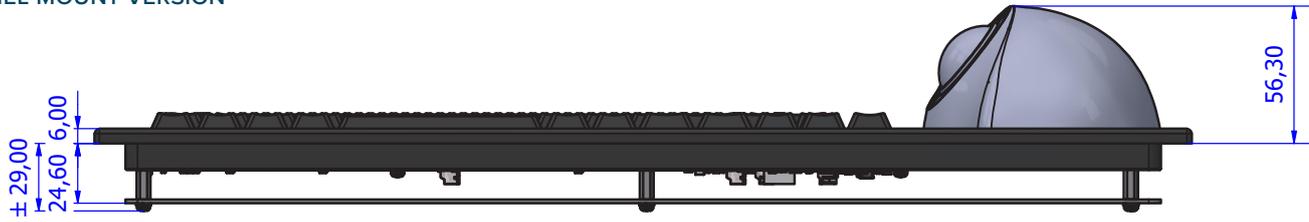
Switch actuation force	250 ± 100 grams force
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### ORDER INFO

COUNTRY LAYOUT	PANEL MOUNT VERSION
US Qwerty	<b>KFTE87N0001USB</b>
UK Qwerty	<b>KFTE87N0044USB</b>
German Qwertz	<b>KFTE87N0049USB</b>

**DIMENSIONAL DRAWING**

**PANEL MOUNT VERSION**



**Proposed Cut-out dimensions**

