



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 electronical 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
Keys

IP65 sealed

87 full travel keys

3 mm travel and 0.49N - 0.97N operating force

E38 ergonomic trackball

±1,6m USB cable

Directly from USB port

Pointing device

Output

Power requirements

0°C to +60°C

Operating temp.

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

ORDER INFO

COUNTRY LAYOUT

PANEL MOUNT VERSION

US Qwerty

KFTE87N0001USB

UK Qwerty

KFTE87N0044USB

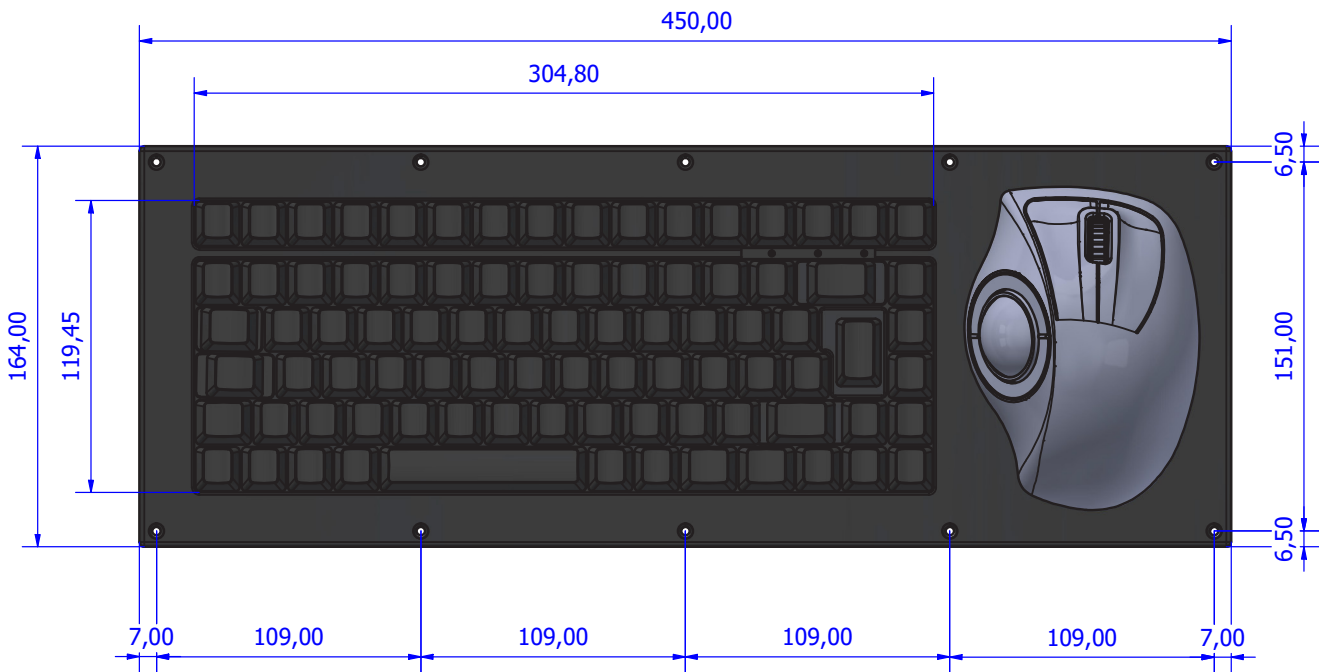
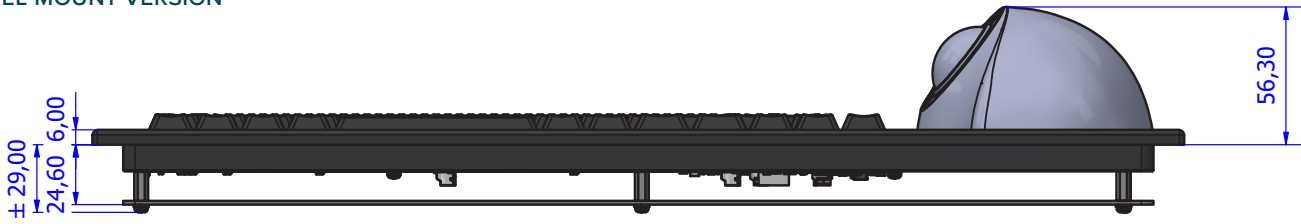
German Qwertz

KFTE87N0049USB

**ISO 9001
ISO 14001**

DIMENSIONAL DRAWING

PANEL MOUNT VERSION



Proposed Cut-out dimensions

