

MKB-F86A-TB

industrial panel mount keyboard



specifications

MKB-F86A-TB

Overview

Rugged stainless steel, water-proof, vandal-proof, panel mount keyboard with 89 customizable, full travel keys (12 function keys) and integrated optical trackball.

Key Features:

- Panel mount feature
- 89 keys (including 10-12 function keys)
- Integrated trackball
- Protruding full travel (2.0 mm) keys with etched graphics, ensuring an excellent tactile feel
- Specially designed to operate in harsh environments, making it ideal for kiosks and other public applications
- Built from stainless steel providing a high resistance to vandalism
- Dust-proof and liquid-proof (meets the IP65 requirement)
- PS/2 or USB connector; easy to plug into computer directly
- Customisable

Specifications

Material	
Front Panel and Keys	Brushed stainless steel
Back Panel	Aluminum alloy
Key Cap	Protruding full travel keys (2 mm) with etched graphics
Trackball	Stainless steel trackball Diameter: 38 mm

Electrical	
Power Supply Voltage	DC 5 V \pm 5%
Current Rating	20 mA
Interface	USB or PS2
EMC Compliant	Emission: EN 50081-1 Immunity: EN 50082-1

Electrical	
FCC	Part 15, Class B
Safety	EN 60950, CE compliant

Environmental	
Operating Temperature	-20 °C to +70 °C
Storage Temperature	-40 °C to +80 °C
Saline Mist	96 hours, IEC 60512-6
Damp Heat Test at +40 °C	21 days, IEC 60512-6
Dry Heat Test at +85 °C	10 days, IEC 60512-6

Mechanical	
Actuation Force for Key	120 ± 15 g
Key Travel	2 mm
Key to Key	5 mm
Lifetime (cycles)	Min 5 000 000 actuations
Sealing Protection	IP65 / NEMA4X from the front
Vibration Resistance	5 Hz – 200 Hz, IEC 60512-4
Shock Resistance	3 axis 150 m/s ² – 11 ms, IEC 60512-4

Operating System	
PS2	Windows NT4, 98SE, 98ME, 2000, XP
USB	Windows 98SE, 98ME, 2000, XP Mac OS9, OSX

Weight and Dimensions	
Weight	2.2 kg
Dimensions	Front Panel: 392 x 135 x 32.10 mm Back Panel: 416 x 159 x 32.10 mm

Mechanical Drawing

