

CK series

OEM Industrial Keyboard



- **USB 2.0 HID 1.11 compatible**
- **Special connector for the quadrature components by pointing device**
- **Intuitive tracking algorithm**
- **Specially design mechanical switches**
- **Up to 90-Key functionality**
- **Variable set of switches**
- **RGB LED backlight**

The CK series is USB compatible. The CK series can be plugged into any USB port or hub. The CK series is a very high specification. Its compact design and durable construction ensure mobility and durability. Each kit includes keypad, switch matrix board, controller for pulse processing and cable. The Keypad of the CK series is specially designed for harsh environment and special water proof design, which make it a good choice for embedded solutions. Also the CK series is provided for eventuality of variation set of switches by user. Maximum number of one is 90.

The CK series has a special connector for the quadrature components of signal by pointing device. Ballistic tracking is result by intuitive tracking algorithm to provide increased cursor resolution when tracking fast whilst retaining the original resolution for tracking accurately at slow speeds. It allows to use this device in systems with high requirements for precision targeting. The CK series is designed as system, where reliability, robustness and an extensive life span are essential.

Technical Data

Key Switch

- Number of Keys: up to 90 keys
- RGB LED backlight
- Life: 10 million cycles
- Travel: 1.8mm
- Actuation force: 2.5H
- Feedback: Tactile with mechanical snap

Communication interface:

- USB 2.0 HID 1.11 compatible
- Quadrature components of signal by pointing device

Electrical Specifications

- DC +5V +/- 10% (USB), max 200mA

Mechanical Specifications

- Dimensions: 347mm x 128mm x 23mm
- Weight: 400g

Environmental Specifications

- Temperature range (operation): -40..+115°C
- Relative humidity (operation): max. 95% non-condensing
- Relative humidity (storage): max. 95% non-condensing
- Altitude: -300m to + 3,000m
- Shock: 15g/11ms
- Bump: 10g/16ms
- Vibration (sinusoidal): 2g/10..200Hz
- Protection: IP67

MTBF

- 400 000 h @ 40°C (derived from MIL-HDBK-217F)

Software Support

- Driver software can be found in the data sheet of the CPU board that you use

Order Information

CK-MS-USB Industrial keyboard

Interface: USB; RGB backlight, Number of keys: up to 90 pcs.
Mechanical keys; Number of clicks: at least 20 million;
Power supply: +5V, 200 mA.

CK-MS-KSW-USB Industrial keyboard

Interface: USB; RGB backlight, Number of keys: up to 90 pcs.
Mechanical keys; Number of clicks: at least 20 million;
Power supply: +5V, 200 mA.

CK-SL-USB Industrial keyboard

Silicon Keyboard

Interface: USB; Number of keys: up to 60 pcs. RGB backlight,
Lock switches, Mechanical keys;
Number of clicks: at least 20 million; Power supply: +5V, 200 mA.

Contact Information

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