

S112B/S112M Programmable Keyboard

Members of the Jupiter Keyboard series



Key Features

- Compact Full keyboard layouts, with 112 programmable keys
- Can have built-in MSR option
- Keyboards and MSR are programmable by our Matrix Maker
- Can have built-in Touchpad option
- All keys are made from Cherry MX key switches, good tactile feeling and with the gold cross contact point technology
- With internal strong metal plate to enhance the protection against ESD is increased
- Dummy keycaps are available for user to block some un-used keys. Easy to install.
- USB and PS/2 versions are available

Programmable Features

- All keys can be programmed with 255 characters [For detail programming instruction, please refer to the Matrix maker]
- All data can be retained for no less than 100 years without additional battery inside the EEPROM of the keyboards
- Does not require a TSR program and hence avoids application software crashes
- Provides multi-level programming
- Provides for a variable time delay of up to 255 seconds in each programmed string
- Provide a true Caps/Scroll/Numeric Lock function independent of any other keyboards being connected
- Support PS/2 programming in DOS, Windows9X, Me, 2K, XP
- With OPOS driver on demand
- USB interface can be programmed through the Windows built-in USB HID driver. No need to install any driver.

MagStripe Reader Features

- Comply with ISO 7812, IBM standards, AAMVA, JIS-2
- Support multi-country code settings
- Support programmable MSR setting for the header, tailor, separator, suffix and prefix, track sequence
- Track 1: 210BPI with max 76 characters
- Track 2: 210BPI with max 107 characters or 75BPI with max 37 characters
- Track 3: 210BPI with max 107 characters
- Card swipe speed: 10 to 100 cm/s
- 500,000 swipe cycles
- Speed: 3-125 ips at 75 BPI; 3-50 ips at 210 BPI

Technical Data

[Electronics]

Power supply: +5V/DC $\pm 10\%$

Current input: <100mA

Interface: PS/2 6-pin mini-DIN

[Mechanical]

Total travel: 4 – 0.4mm

Pre-travel: 2 ± 0.6 mm

Peak load before make: 60 ± 20 cN

Life Cycle: 50 million keystrokes.

[Others]

Storage temperature: -40°C to $+60^{\circ}\text{C}$

Operating temperature: 0°C to $+50^{\circ}\text{C}$

Operating humidity: 20% to 90%

Dimension (LxWxH, mm): 333 x 200 x 48

Model Naming

S112-FNC-IF

FNC (Function Code)

- B: without MSR
- M: with MSR
- T: with touchpad

IF (Interface)

- U: USB
- P: PS/2