

# 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:  $2 \pm 0.6$ mm

Peak load before make:  $60 \pm 20$ cN

Life Cycle: 50 million keystrokes.

### [Others]

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

Operating temperature:  $0^{\circ}\text{C}$  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