

S112A : 112-key Spill Proof Programmable Keyboard

Key Features

- With 112 Cherry MX key switches, good tactile feeling
- With spill proof guide-array, patent design.
- Laser-engraved keycap symbols or high quality UV silk screen printed keycap symbols
- Damaged keys can be easily replaced and hence save the replacement cost
- With internal strong metal plate to enhance the protection against ESD is increased
- Different relegendable keycaps (1-fold, 2 fold and 4 fold) are available
- Numeric keys are available
- Detachable cable, using RJ-45 connector
- Available in USB, PS/2 Interface
- Optional 32-key side keypad or dummy side pad



Programmable Features

- All keys can be programmed with 255 characters
- All data can be retained for no less than 100 years without additional battery
- Does not require a TSR program and hence avoids application software crashes
- Provides multi-level programming
- Provides for a variable time delay, of 0.5sec per interval
- Provides true keyboard wedge function that operates with or without the normal computer keyboard connected
- 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
- USB interface exists as TRUE USB HID device, no need to install any drivers for programming.
- All programmed data are stored in the keyboard EEPROM.

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
- Speed:3-125 ips at 75 BPI; 3-50 ips at 210 BPI

Keylock

- 6 segment electronic keylock
- Come with three keys of different positions
- 50,000 turning lifecycles

Technical Data

[Electronics]

Power supply

PS/2: +5V/DC $\pm 10\%$

USB: +5V/DC $\pm 5\%$

Current input

PS/2: <100mA

USB: <100mA

MTBF: 50,000 hours

[Mechanical]

Total travel: 4 – 0.4mm

Pre-travel: 2 ± 0.6 mm

Peak load before make: 60 ± 20 cN

Key lifecycle: 50,000,000 strokes

Magnetic head lifecycle: 500,000 swipes

[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): 359 x 201 x 46

Weight (g): 1950

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