

S40A : 40-key Programmable Keyboard

Key Features

- I With 40 Cherry MX key switches, good tactile feeling
- I Laser-engraved keycap symbols or high quality UV silk screen printed keycap symbols
- I Damaged keys can be easily replaced and hence save the replacement cost
- I With internal strong metal plate to enhance the protection against ESD is increased
- I Different relegendable keycaps (1-fold, 2 fold and 4 fold) are available
- I Numeric keys are available
- I Available in USB, PS/2 Interface



Programmable Features

- I All keys can be programmed with 255 characters
- I All data can be retained for no less than 100 years without additional battery
- I Does not require a TSR program and hence avoids application software crashes
- I Provides multi-level programming
- I Provides for a variable time delay, of 0.5sec per interval
- I Provides true keyboard wedge function that operates with or without the normal computer keyboard connected
- I Provide a true Caps/Scroll/Numeric Lock function independent of any other keyboards being connected
- I Support PS/2 programming in DOS, Windows9X, Me, 2K, XP
- I USB interface exists as TRUE USB HID device, no need to install any drivers for programming.
- I All programmed data are stored in the keyboard EEPROM.



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): 196 x 149 x 38

Weight (g): 520

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