

# S100B Advanced Performance Keyboard

## Key Features

- Compact Full keyboard layouts, with programmable keys
- High quality membrane keys with tactile feeling
- Laser-engraved keycap symbols or high quality UV silk screen printed keycap symbols
- With internal strong metal plate to enhance the protection against ESD is increased
- Different relegendable keycaps (1-fold, 2 fold) are available
- Detachable cable, using RJ-45 connector
- Optional LCD Display and Smart Card Reader are available as plug-in modules
- Available in USB, PS/2 + RS232 Interface



## Technical Data

### [Electronics]

#### Power supply

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

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

### [Mechanical]

Total travel: 4 – 0.4mm

Pre-travel: 2  $\pm$  0.6mm

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

### [Others]

Storage temperature: -40°C to +60°C

Operating temperature: 0°C to +50°C

Operating humidity: 20% to 90%

## MICR Features

- Powered by Magtek MICR module
- Reads E13-B and CMC-7 MICR fonts
- Motorized reading, @17 inches per second
- With bi-color LED to display the module status
- Powered by external power adaptor

## Smart Card Reader Features

- T=1, T=0 protocol support; Memory card support through SCM MCARD API
- Communication speed up to 344,105 bps (PPS, FI parameter)
- Frequency up to 12 MHz (PPS, DI parameter)
- Support ISO 7816 Class A and AB smart card
- Sliding contact connector; Certified for 200,000 insertions
- Support PC/SC, CT-API (thru wrapper on top of PC/SC); OCF upon request
- Full speed USB (12Mbps); Bus powered device; CCID compliant

## 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 up to 255 seconds in each programmed string
- 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

## 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

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