

# S128MTSC – Jupiter All-in-One Teller Keyboard

## Key Feature

- 32 fully programmable keys
- QWERTY section is made of POS graded membrane keys
- Numeric section is made of Cherry MX key switches
- Magstripe reader settings are programmable
- Programmable functions are powered by the Matrix Maker
- Keyboards are backed up by 1.2mm thick metal frame
- Different relegendable keycaps (1 fold, 2 fold and 4 fold) are available
- Support different country layouts
- With built-in touchpad, removable
- Detachable cable, using the tough RJ45 connector
- Available in USB Interfac
- Can have optional plug-in MICR cheque reader

## Programmable Feature

- Programmable 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 in each programmed string
- Provide a true Caps/Scroll/Numeric Lock function independent of any other keyboards being connected
- USB programming through the USB HID interface, need not any keyboard drivers.

## 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: 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

## Smart Card Reader Features

- CCID compliant
- T=1, T=0 protocol support
- Frequency up to 8 MHz (PPS, DI parameter)
- Smart card connector: Landing type, 200,000 insertion
- Support ISO 7816 Class A and AB smart card
- Support PC/SC
- Support CT-API (through wrapper on top of PC/SC)
- Driver available: Windows? 98, ME, NT4, 2000, XP and Server 2003, Windows CE 4.2, 5.0, MacOS, Solaris, Linux



## MICR Features

- Reads MICR characters on checks, deposit, withdrawal slips and other MICR encoded documents
- Virtual RS232 through USB interface
- Require external power supply for cheque swipe
- Motor draw current from 350mA to 650mA
- Support E13-B and CMC-7
- Command driven communications protocol controls functions of module
- Reading of checks is automatic and foolproof. There are no alignment or placement subtleties to introduce human error

## Technical Data

### [Electronics]

#### Power supply

USB: +5V/DC +/-5%

#### Current input

USB: < 100mA

MICR: < 750mA

### [Mechanical]

Total travel: 4 +/-0.4mm

Pre-travel: 2 +/-0.6mm

Peak load before make: 60 +/-20cN

#### Key strokes life:

QWERTY section: 10 million

Numeric section: 50 million

### [Touchpad]

Active area (LxW, mm): 62.5 x 46.5

### [Others]

Storage temperature: -40°C to +60°C

Operating temperature: 0°C to +50°C

Operating humidity: 20% to 90%

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