

HENGYU

K104I-SM



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Main Features

- Professional Keyboard with built-in magstripe reader and smart card reader
- Low profile key design with tactile feeling
- Full 104/105 key design, support US and EU layout
- Support firmware upgrade
- Durable legends printed with UV coating
- Sealed membrane to increase the membrane circuit life

MagStripe Reader Features

MagStripe header, tailer, track sequence, encoding are programmable

Comply with ISO 7812, IBM standards, AAMVA, JIS-2

Support multi-country code settings

Support programmable MSR setting for the header, tailer, 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

500,000 swipe cycles

Smart Card Reader Spec

Access to all ISO-7816 and EMV CPU cards (T=0, T-1) through PC/SC drivers

Communication Speed with the smart card: up to 826Kbps (when supported by the SC)

Synchronous cards through a comprehensive API

5V/55mA, 3V/50mA, 1.8V/20mA smart card power supply

Full ISO7816 and EMV2000 compliances

Use high quality landing contact type smart card connector

Short circuit protection

Card removal detection when powered on

ESD protection on card los: 8KV contact

Drivers support: PC/SC, CT/API, CCID, Synchronous API

Technical Data

[Electronics]

Power supply: +5V/DC +/-10%

Current input: <100mA

Interface: USB2.0 (USB-A), Full Speed

LED indicators: Cap / Num / Scroll / IC Card

[Mechanical]

Number of keys:

- 104: US ANSI layout

- 105: European ISO layout

Individual key life cycle: 10 million key strokes

Key switch technology: rubber dome over sealed membrane

Key actuation force: 65g +/- 10g

Key travel: 3 +/- 0.5mm

Card swipe speed: 10 to 100 cm/s; Speed:3-125 ips at 75 BPI; 3-50 ips at 210 BPI

Magnetic head life: 500,000 swipe cycles

Smart Card Connector Life: 500,000 insertions

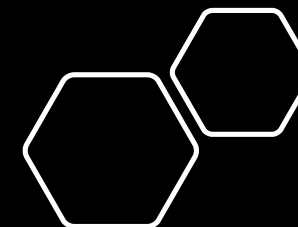
[Others]

Storage temperature: -40°C to +55°C

Operating temperature: 0°C to +45°C

Operating humidity: 40% to 90%

Dimensions: 472 x 183 x 47.5 mm



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Heng Yu Technology (HK) Limited
<http://www.hengyu-tech.com>