K104S

Professional Keyboard

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Key Features

Standard 104/105 full size keyboard layout, with built-in magstripe and smart card reader
All keys are made from Cherry MX key switches, good tactile feelings
Magstripe reader settings are programmable by Matrix Maker
Smart card reader compiles with ISO-7816, support PC/SC and CCID
With internal strong metal plate to enhance the protection against ESD is increased
Key legends: Laser-engraved or high quality silk screen printed with UV coating, durable screen printed keycap symbols
Available in USB and PS/2 interface

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, 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
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 Ios: 8KV contact
Drivers support: PC/SC, CT/API, CCID, Synchronous API

Technical Data

[Electronics]

Power supply

PS/2: +5V/DC ±10%

USB: +5V/DC ±5%

Current input

PS/2: <100mA

USB: <100mA

[Mechanical]

Total travel: 4 – 0.4mm

Pre-travel: 2 ± 0.6mm

Peak load before make: 60 ± 20cN

Individual key life cycle: 50 million key strokes

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
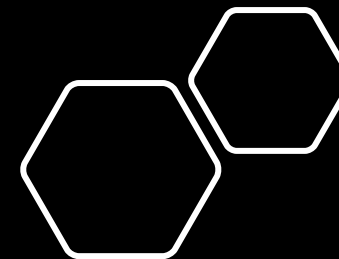
Operating temperature: 0°C to +40°C

Operating humidity: 40% to 90%

Dimensions:

Gift box:

Certificates: FCC/CE

HENGYU