

# K104S

## COMBO SMART CARD/MAGNETIC CARD KEYBOARD

### Key Features

- With built-in Smartcard reader and Magnetic card reader, three-in-one USB interface
- With 104/105 Cherry MX keys based on Gold Crosspoint technology, and have tactile feeling
- Laser-engraved keycap symbols or high quality UV silk screen printed keycap symbols
- Damaged keys can be easily replaced and hence save the replacement cost
- With internal metal plate for key fixation, the protection against ESD is increased
- Can be upgraded to programmable version
- FCC/CE Approval



### 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

### Smart Card Reader Features

- T=1, T=0 protocol support; Memory card support through SCM MCARDAPI
- 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

### Technical Data

#### [Electronics]

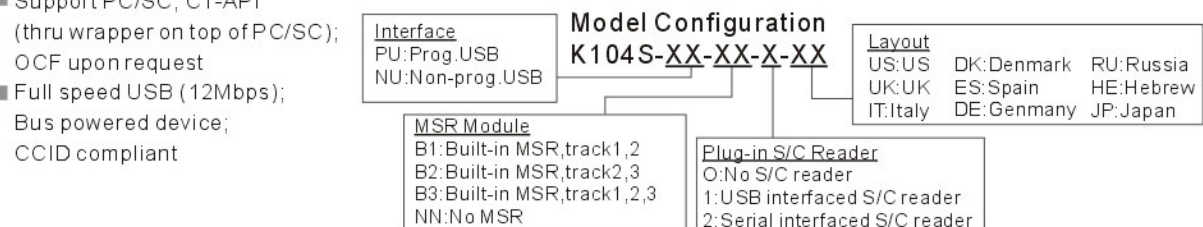
Power supply  
PS/2: +5V/DC  $\pm 10\%$   
USB: +5V/DC  $\pm 5\%$   
Current input  
PS/2: <100mA  
USB: <100mA

#### [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%  
Dimension (LxWxH, mm): 470x190x45  
Weight (g): 1430



### Heng Yu Technology (Hong Kong) Limited

■ Address: Room 1003-4, HSH MongKok Plaza, 800 Nathan Road, Hong Kong  
■ Phone: (852)23941852 23941870 ■ Web site: <http://www.hengyu-tech.com>  
■ Fax: (852)23941865 ■ Email: [hy\\_sales@hengyu-tech.com](mailto:hy_sales@hengyu-tech.com)