

# Security

## JK-A0100 & JK-A0104



Models may vary from the image shown

### Security keyboard with integrated smart card terminal Long term reliability and Intelligent design:

The CHERRY JK-A0100 & JK-A0104 combines the benefits of a classic CHERRY office keyboard with the security-related requirements of a security keyboard.

### Key Benefits

- Wired security keyboard with integrated chip card terminal
- Secure PIN entry
- PC/SC smartcard reader
- Protocols: T=0, T=1, S=8, S=9, S=10
- EMV 2000 Level 1 approved
- CCID compatible
- Reading/writing ISO 7816 compliant smartcards
- Thin design, low smart card contacting unit
- Driver support for Windows/Mac OSX/Linux
- One-handed operation of smart card module
- FIPS 201 certified

### Technical Data:

**Housing Color:** Black or Pale Gray

**Key Color:** Black or Pale Gray

### Weight (product):

Approx. 840 g / 1.85 lbs

### Total Weight (with packaging):

Approx. 1150g / 2.53 lbs..

### Cable Length:

Approx. 1.80 m / Approx. 70.8"

### Current Consumption:

Max. 100 mA

### Interface:

USB

### Product Approvals:

cURus



VDE GS



VCCI



C-Tick



CE



FCC



### System Requirements:

USB connection

### Delivery Volume:

JK-A0100 or JK-A0104

Operating instructions in hard copy

### Operating Temperature:

0° C to 50° C / 32° F to 122° F

### Storage Temperature:

-20°C to 60°C / -4° F to 140° F

### Dimensions (product):

Approx. 458 x 188 x 46 mm

Approx. 18" x 7.4" x 1.80"

### Packaging Dimensions:

Approx. 472 x 232 x 55 mm

Approx. 18.58" x 9.13" x 2.16"

### Keyboard:

- Key switch technology: LPK (Low Profile Keyboard)
- Service life, standard key: > 10 million key operations
- Number of Keys: 104
- Number of additional keys: 4



## Technical Data Continued:

### Smart Card Reader:

- Agency Approvals: EMV 2000 Level 1
- Chip-card protocols: T=0, T=1, S=8, S=9, S=10
- Contact: mechanical swipe reader
- Software interface: CT-API, PC/SC
- Mating cycles: approx. 100,000 operations
- Compatible chip card types: Reads and writes on all ISO 7816 cards
- Transmission speed reader <=> card: 420 kBit/s
- Transmission speed reader <=> system: max. 12 MBit/s
- Chip card pulse frequency: 4.8 MHz

### Packaging Unit:

Number of products in the master package: 6  
 Number of master packages per pallet: 16

### Warranty:

2 years

Model:

Part Number	Model	Color	Notes
JK-A0100EU-0	CHERRY KC 1000 SC	Pale Gray	Non-TAA Compliant
JK-A0100EU-2	CHERRY KC 1000 SC	Black	Non-TAA Compliant
JK-A0104EU-0	CHERRY KC 1000 SC	Pale Gray	TAA Compliant
JK-A0104EU-2	CHERRY KC 1000 SC	Black	TAA Compliant

(Possible country/layout versions, others available on request)  
 Minimum order quantities may apply

ZF Electronic Systems Pleasant Prairie, LLC  
 11200 88th Avenue  
 Pleasant Prairie, WI 53158  
 USA  
 Phone: 262.942.6500  
 Internet: [www.cherrycorp.com](http://www.cherrycorp.com)

E-Mail: [cep\\_sales@zf.com](mailto:cep_sales@zf.com)  
 Fax: 262.942.6566

The manufacturer accepts no liability for errors or non-availability, and reserves the right to change specifications without prior notice. Technical data relates to product specifications only. Features may differ from those described. Only drawings combined with product specifications shall be deemed binding.