



# CHERRY KC 1000 SC

## SECURITY KEYBOARD WITH INTEGRATED SMART CARD TERMINAL

### KEY BENEFITS

- Smart, wired security keyboard with integrated smart card terminal
- Secure PIN entry
- PC/SC smart card terminal
- Protocols: T=0, T=1, S=8, S=9, S=10
- EMV 2000 Level 1 approved
- CCID compatible
- Reading/writing ISO 7816 compliant smart cards
- Supports firmware update in the field (through flash controller)
- Flat design, low smart card contacting unit
- Awarded the Blue Angel environmental seal
- Satisfies requirements defined by FIPS-201 (approval process ongoing)
- German version with DIN/GS compliant layout
- Driver support for Windows/MacOS-X/Linux
- One-handed operation of smart card module
- German version complies with BGI 650 guidance for ergonomics

### TECHNICAL DATA

- **Layout (country or language):** Product dependant, see table „Models“
- **Housing colour:** Product dependant, see table „Models“
- **Key colour:** Product dependant, see table „Models“
- **Weight (product):** approx. 840 g
- **Total weight (with packaging):** 1150 g
- **Cable Length:** approx. 1.80 m

- **Storage Temperature:** -20°C to 65°C
- **Operating Temperature:** 0°C to 50°C
- **Current Consumption:** max. 100 mA
- **Interface:** USB
- **Product approvals:**  
GS, CE, FCC, CSA/UL, Blauer Engel, c-tick, cULus, VCCI, FIPS-201, EMVCo
- **System requirements:** USB connection
- **Delivery Volume:**  
CHERRY KC 1000 SC  
Operating instructions in hard copy
- **Dimensions (product):** approx. 458 x 188 x 46 mm
- **Packaging dimensions:** approx. 472 x 232 x 55 mm
- **Packaging (version):** White box
- **Reliability:** MTBF (90) > 80,000 hours
- **Keyboard:**  
Key technology: LPK  
Service life, standard key: > 10 million key operations  
Number of Keys: Product dependant, see table „Models“  
Number of additional keys: 4
- **Smart card terminal:**  
Hardware interface: USB  
Agency Approvals: EMV 2000 Level 1  
Smart 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 smart 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  
Smart card pulse frequency: 4.8 MHz
- **Packaging Unit:** Number of products in the master package: 50
- **Warranty:** 2 years

## MODELS

Possible country/layout versions, others available on request.

	PRODUCT NAME	ORDER NUMBER	LAYOUT <small>(country of language)</small>	HOUSING COLOUR	KEY COLOUR	NUMBER OF KEYS
1	CHERRY KC 1000 SC	JK-A0100BE-0	Belgium	white-grey	white-grey	105+4
2	CHERRY KC 1000 SC	JK-A0100BE-2	Belgium	black	black	105+4
3	CHERRY KC 1000 SC	JK-A0100CH-0	Switzerland	white-grey	white-grey	105+4
4	CHERRY KC 1000 SC	JK-A0100CH-2	Switzerland	black	black	105+4
5	CHERRY KC 1000 SC	JK-A0100DE-0	Germany	white-grey	white-grey	105+4
6	CHERRY KC 1000 SC	JK-A0100DE-2	Germany	black	black	105+4
7	CHERRY KC 1000 SC	JK-A0100ES-0	Spain	white-grey	white-grey	105+4
8	CHERRY KC 1000 SC	JK-A0100ES-2	Spain	black	black	105+4
9	CHERRY KC 1000 SC	JK-A0100EU-0	US English with EURO symbol	white-grey	white-grey	104+4
10	CHERRY KC 1000 SC	JK-A0100EU-2	US English with EURO symbol	black	black	104+4
11	CHERRY KC 1000 SC	JK-A0100FR-0	France	white-grey	white-grey	105+4
12	CHERRY KC 1000 SC	JK-A0100FR-2	France	black	black	105+4
13	CHERRY KC 1000 SC	JK-A0100GB-0	UK	white-grey	white-grey	105+4
14	CHERRY KC 1000 SC	JK-A0100GB-2	UK	black	black	105+4
15	CHERRY KC 1000 SC	JK-A0100IT-0	Italy	white-grey	white-grey	105+4
16	CHERRY KC 1000 SC	JK-A0100IT-2	Italy	black	black	105+4