

# CHERRY KC 1000 SC KB RSFLAT CONTACT

Security Keyboard With Integrated Smart Card Terminal



Models may vary from the image shown

CHERRY KC 1000 SC introduces lasting reliability along with practical elegance into the workplace - and all this with total security. The integrated smart card terminal satisfies all the key requirements relating to electronic signatures, authentication, data encryption and access authorisations. Together with the relevant applications, this corded security keyboard is effectively the reliable doorman in the workplace - certified, intelligent and uncompromising. It provides the necessary long-term security - and without access rights you can't get in...

## FUNCTION AND PERFORMANCE

- Smart, 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
- CCID compatible
- Reading/writing ISO 7816 compliant smartcards
- Flat design, low smart card contacting unit
- Satisfies requirements defined by FIPS-201
- 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
- Awarded the "Blaue Engel" environmental seal

## TECHNICAL DATA

Color:	white-grey
Weight main product:	840 g
Dimensions product without packaging:	458 mm x 188 mm x 46 mm
Weight of product incl. packaging:	1,143 g
Dimensions product incl. packaging:	475 mm x 230 mm x 55 mm
Content of master carton (pieces):	56
Weight of master carton incl. content:	66,000 g
Dimensions master carton:	800 mm x 490 mm x 960 mm
Cable-length:	180 cm
Storage temperature:	-20 °C - 65 °C
Working temperature:	0 °C - 50 °C
Product approvals:	<ul style="list-style-type: none"><li>• CE</li><li>• cURus</li><li>• Citrix</li><li>• GS</li><li>• FCC</li><li>• Blauer Engel</li><li>• RCM</li><li>• UKCA</li><li>• FIPS 201</li></ul>
System Requirements-Hardware:	<ul style="list-style-type: none"><li>• USB 2.0</li><li>• USB-A</li></ul>
Operating system:	<ul style="list-style-type: none"><li>• Linux</li><li>• Windows 7</li><li>• Windows 8</li><li>• Windows 11</li><li>• Windows 10</li></ul>
Scope of delivery:	<ul style="list-style-type: none"><li>• Manual</li><li>• Keyboard</li></ul>
Reliability:	MTBF > 45.000 hours

Software support:	<ul style="list-style-type: none"> <li>• CHERRY KEYS</li> <li>• Card Reader Tools</li> <li>• PC/SC Diagnose Tool</li> </ul>
Service life per key (in million strokes):	10 mio. actuations
Switching characteristics:	standard
Max. current consumption (mA) of keyboard:	100 mA
Keyboard format:	Full-size (100%)
Integrated metal plate:	yes
Volume (dB) of keyboard:	40,7 db
N-key rollover:	not specified
Anti-ghosting:	no
Key encryption:	no
Response time:	3-5 ms
Internal memory:	no
Actuating force (cN):	55 cN
Actuating force tol.:	10 cN
Forward travel:	2,5 mm
Key stroke total travel path:	3 mm
Key labeling:	Laser etching
Palm rest:	Palm rest not available
USB hub:	no
Number of keys:	105 + 4
Special key functions:	<ul style="list-style-type: none"> <li>• Calculator</li> <li>• e-mail program</li> <li>• Browser</li> <li>• PC lock</li> </ul>

Illumination:	no
Adjustable feet:	yes
Status LEDs:	in housing
Key technology:	Rubberdome
Keycap material:	ABS
Protected PIN entry:	yes
Protocols:	<ul style="list-style-type: none"> <li>• S=8</li> <li>• S=9</li> <li>• S=10</li> <li>• T=0</li> <li>• T=1</li> </ul>
Unit chipcard reader:	Sliding Contacts
SW interface:	<ul style="list-style-type: none"> <li>• CCID</li> <li>• PC/SC</li> <li>• CT-API</li> </ul>
Installation location:	top-mounted
Mating cycles:	100,000
Chip card types:	ISO 7816 Cards
SmartCard-Speed:	420 kBit/s
System speed:	12 MBit/s
Clock frequency:	4.8 MHz
Card power:	60 mA
Status display of chip card reader:	two-in-one LED
Chip-card reader type:	contact
Model number:	JK-A01

Errors, technical changes and delivery options reserved. Technical information refers only to the specification of the products. Properties are not guaranteed.