

SECURE BOARD 1.0

DATASHEET

CHERRY SECURE BOARD 1.0

CONTACT/CONTACTLESS CARD READER AND ENCRYPTED KEY TRANSMISSION

The SECURE BOARD 1.0 is an ergonomic keyboard with an integrated reader for smart cards and cards/tags with an RFID/NFC interface. For added security and confidentiality, the keyboard can be switched to a secure mode. Now the device can authenticate itself with a certificate and the key transmission is encrypted. This renders hardware key loggers useless and because the standard keyboard channel is locked, BadUSB attacks cannot be carried out on it. Thin clients that have the necessary software integrated are particularly suitable for using these functions.





HIGHLIGHTS

- Intelligent security keyboard with integrated reader for smart cards and cards/tags with RFID/NFC interface
- Secure mode with authentication and encryption, especially with thin clients
- PC/SC smart card reader, CCID compatible
- Protocols: T=0, T=1, T=CL
- Read/write with ISO 7816 and ISO 14443 A/B compliant cards
- Flat design, low smart card contacting unit
- Satisfies FIPS-201 requirements
- DE version with DIN/GS compliant layout and meets with BGI-650 ergonomics guide
- Standard for Windows and Linux
- One-handed operation of smart card module

SCOPE OF DELIVERY

- Manual
- Keyboard

TECHNICAL DATA

PRODUCT INFORMATION

Part number	JK-A0400GB-2
EAN	4025112090578
Layout	GB (United Kingdom)
Colour	Black
Dimensions and weight (without packaging)	458 mm × 188 mm × 46 mm | 850 g
Dimensions and weight (including packaging)	458 mm × 458 mm × 46 mm | 1000 g
Model number	JK-A04
Warranty	2 years warranty
Product approvals	– cURus – FCC – GS – Citrix – CE – VCCI – UKCA
Software support	– CHERRY KEYS – PC/SC Diagnose Tool
Operating system	– Linux – macOS – Windows
System Requirements-Hardware	USB-A

TEMPERATURE

Min. operating temperature	0 °C
Max. operating temperature	50 °C

KEYBOARD

Keycap material	ABS
USB-Hub	no
Illumination	No
Adjustable feet	integriert
Max. current consumption (mA) of keyboard	350 mA
Keyboard format	Full-size (100%)
Integrated metal plate	yes
N-Key Rollover	no
Anti-ghosting	no
Response time	3-5 ms

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