cyber*Jack*® RFID standard

The universal standard reader

Data sheet

The cyber*Jack*® **RFID standard** supports non-contact RFID chip cards for applications such as eID with the ID card, GeldKarte or eTicketing. With contacting chip cards, for example, it supports online banking via HBCI/FinTS, Secoder and EBICS as well as GeldKarte and the qualified electronic signature (QES).

The cyber*Jack*® **RFID standard** fully supports the PACE protocol and shows the authorisations and authorised parties clearly in the display prior to data access when using the eID function.

The integrated keyboard offers secure PIN entry for contacting and non-contact chip cards.

The highlights

- Security class 3/standard reader (CAT-S) according to BSI TR-03119
- Certified secure PIN entry
- LC display with 2 x 16 alphanumeric characters
- Updateable
- ZKA-Secoder approval
- TÜV IT confirmed and BSI certified
- Confirmation according to SigG/SigV for contacting cards
- Drivers for Windows, Linux, Mac OS X and various terminal servers
- Free support by REINER SCT
- Short USB lead (25 cm) for notebook use
- Incl. 1.5 m USB extension

Bundesamt
für Sicherheit in der
Informationstechnik

Zertifikat
nach Technischen Richtlinien des BSI

BSI TR-03119

Zertifikat-Nr.:
BSI-K-TR-0066-2010

Bestätigung
von Produkten für qualifizierte elektronische Signaturen gemäß §§ 15 Abs. 7 und 17 Abs. 4 Gesetz über Rahmenbedingungen für elektronische Signaturen und § 11 Abs. 3 Verordnung zur elektronischen Signatur

Secoder
sicherheitsgeprüft

Der neue Personalausweis

Further information under: reiner-sct.com/cyberjack_rfid_standard

Technical data | cyber*Jack*® RFID standard

Category and function

Security class	3
Reader category according to TR-03119	Standard reader (CAT-S)
Non-contact interface	ISO/IEC 14443 A/B
Contacting interface	ISO/IEC 7816
eID function with ID card	✔
eSign function (QES) with ID card	✘
Terminal authentication with EAL4+ module (for ID card QES)	✘
Electronic Banking (FinTS / HBCI)	✔
Secoder function	✔
Electronic signature with contacting cards	FES / QES (e.g. for EGVP, ELSTER, …)
Load GeldKarte / pay / additional functions (by means of Secoder function)	✔ / ✔ / ✔
Multi-application-capable (several applications in the reader)	✘
ZKA-SIG-API support in the reader/PC emulation	✘ / ✔

Keypad and displays

Secure PIN entry on integrated keypad / Number of keys	✔ / 16 keys (10 numeric, 6 function keys)
LC display / Number of characters / Backlight	✔ / 2 x 16 alphanumeric / ✘
Visible display size	50 x 15 mm
Operating status display	2 LEDs (yellow/green-blue duo-LED)

Security, confirmations and certifications

Secure firmware update with security certification	✔
Firewall function for chip card communication	✔
Security testing ITSEC E2 / high by TÜV IT	✔
Confirmation according to SigG/SigV for contacting cards	✔
Confirmation according to SigG/SigV for nPA QES	✘
ZKA-Secoder approval	✔
Security seal for protection against manipulation (BSI-conformant)	✔
Conformity	BSI TR-03105, TR-03117, TR-03119, WEEE-Reg.-No. DE89738751

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Technical data | cyber*Jack*® RFID standard

PC connection

Supported operating systems	**Windows:** All Windows operating systems for PC and server (32/64 bit) officially released by Microsoft and covered by the extended public support. Details: **http://windows.microsoft.com/de-at/windows/lifecycle**
	Mac (Client): All OS X operating systems (32/64 bit) officially released by Apple and covered by the current public support
	LINUX (Client & Server): Many common Linux operating systems for PC and server (32/64 bit) Details und die aktuellen Treiber finden Sie stets unter: **reiner-sct.com/treiber**

Interfaces

Chip card protocols	T=0, T=1, T=CL
Supported voltages for chip cards	1.8 V, 3.0 V and 5,0 V according to ISO 7816 Type A, B, C
Chip card supply	60 mA (short-circuit and overheating protection)
Contacting transfer speed	up to 617 kbit/s
Reading distance	defined by the card holder of the RFID card
RF transmission speed	up to 848 kbit/s (depending on the chip card/tag)
Antenna	integrated
Contact unit	5 gold-plated precision contacts - ISO positioning

Hardware properties

Connection and power supply	USB 2.0/5 V, 200 mA (high power device) via USB port
USB lead length	0.25 m + 1.5 m extension
Housing colours (standard)	black/white
Special colours, customised printing	✔ (Please note minimum order quantity)
Dimensions without metal stand (LxWxH)	95 x 62 x 14 mm
Weight without metal stand	82 g
Metal stand material/weight	zinc die-cast/37 g
Dimensions of packing (LxWxH)	201 x 149 x 47 mm
Ambient temperature storage/operation	-10 ºC - 50 ºC / 0 ºC - 50 ºC
Permissible humidity	Max. 90% no condensation

Order data/service/accessories

REINER SCT article number	2 718 600-000
EAN-Code	4011170081092
Support	Free and proven online support

You may need additional software and/or chip cards from third suppliers for the above applications. Home banking chip cards are available from your bank, signature cards from trust centres.

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