REINERSCT

cyber*Jack*® wave

Bluetooth RFID smartcard reader

The newly launched Bluetooth RFID smartcard reader is a cutting edge innovation for mobile utilisation of smartcards.

The exclusive design and comprehensive functionality of the ultra slim cyber*Jack*® **wave** is the perfect Add On for all modern notebooks, smart phones and tablets.

To attain optimal mobility the cyber*Jack*® **wave** is equipped with a powerful lithium ion rechargeable battery which can be recharged via USB at any time. The high resolution TFT screen can display pictures and logos as well as all security relevant data in colour and clearly structured. The elegant soft touch keypad with tactile response is the final touch to the user friendly device.

This breaking technology makes it possible to securely use Apps and make transactions with smartcard based security via Bluetooth 2.1 + 4.0 LE, offering the highest security level guaranteeing secured separate display with safe PIN entry.

With the use of RFID function, cyber*Jack*® **wave** can communicate with contactless smartcards via NFC.

Security class 3
Bluetooth 2.1 + 4.0 (low energy)
High resolution TFT display
Lithium ion rechargeable battery, recharged through microUSB
Soft touch keypad with tactile response
Secoder 2 function
RFID + NFC function

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Technical data – cyber*Jack*® wave

Category and function	
Smartcard reader category	Mobile Bluetooth RFID smartcard reader
Security class	3
Contacted interface	✔ ISO/IEC 7816-3
Contactless interface	✔ ISO/IEC 14443 A/B
Equipped with lithium ion rechargeable battery	✔
Bluetooth	✔ 2.1 + 4.0 LE (Low Energy)
Electronic banking (FinTS/HBCI)	✔ Via App
Secoder function	✔
Electronic signature with contacted card	✔
Cash card upload/pay/additional uses (by secoder function)	✔
ZKA-SIG-API supported	✔ Via USB
Flash memory	✘
Vibration	✔

Keypad and display	
Secure PIN entry on integral keypad / amount of keys	✔ 16 function keys
Touch sensitive soft touch keypad	✔
Tactile response by vibration	✔ Adjustable
Display	TFT 240 x 320 pixel
Display light brightness	✔ Adjustable
Visible display size in mm	51 x 38
Operating status indicator	2 LED (yellow / turquoise)

Security, approvals and certifications	
Secure firmware update	✔ Via cyberJack device manager and USB
Firewall function for smartcard communication	✔
Approved according to SigG/SigV for contacted cards	Work in process
DK secoder approval	Secoder 2.2 work in process
Conformity	CE, WEEE, RoHS

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Connection to mobile devices/computer	
Supported operating systems	**Bluetooth 2.1:** Android, iOS, Windows Phone, from Windows XP, Mac OS X 10.6 and Linux. **Bluetooth 4.0 LE:** From Android 4, iOS 6, Windows Phone 8, OS X 10.8, Windows 8, use of reader depends on each App. use of Bluetooth 4.0 LE depends on the hardware. **USB:** From Windows XP, Mac OS x 10.6 and Linux. Further details go to: **www.reiner-sct.com/treiber**
Interfaces	USB 2.0 (microUSB Typ B / USB Typ A), SECODER, PC /SC, Bluetooth 2.1 (without iOS) + 4.0 LE
Plug and play – no installation necessary	✘
REINER SCT device manager for Windows	✔

Interface smartcards	
Smartcard protocol	T=0, T=1, T=CL
Supported voltage for smartcards	1.8V, 3.0V and 5.0V according to ISO 7816 type A,B,C
Supply smartcard contacted	60 mA (short-circuit and overheating proof)
Transmission speed contacted	Up to 617 kBit/s
Transmission speed contactless (ISO 14443)	Up to 848 kBit/s
Contact unit	5 precision contacts gold plated – ISO positioning
Antenna (ISO 14443)	Integrated

Hardware characteristics	
Connection and electricity supply	USB 2.0/5V, 200mA (high power device) via USB connection
USB power length	0,4 m
Housing colour (standard)	Black /anthracite
Special colours, customer specific printing	(note minimum amount)
Dimensions (H x W x D) mm	103 x 71 x 10
Weight	63 gr.
Dimensions packaging (W x H x D) mm	172 x 134 x 40
Ambient temperature storing/operating	-10 °C – +50 °C/ 0°C - +50°C
Acceptable humidity	Max. 90%; non condensing

Order data	
Article number	2 723 000-000
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