



Ultimate desktop
reader for
contactless
projects

open® RDR519



The **open® RDR519** is the USB reader of reference for contactless projects, thanks to a modern design and an innovative technical architecture.

The **open® RDR519** reader can be easily integrated in any application. Its unique design is embedding high 'Radio Frequency' performances and a complete compliance with all tickets and contactless smart cards on the market.

The **open® RDR519** complies with the latest contactless ticketing requirements supporting a broad range of ISO contactless smart cards, paper tickets and NFC cell phones.

PRODUCT SPECIFICATIONS

Features	RF Interface	ISO14443 A/B/B*, Felica®, Mifare® ISO15693 (firmware option) High speed RF communication: 106 to 848 kb/s for ISO A/B, 212 to 424 kb/s for Felica®	
	Power supply	USB bus powered (5 V, 400 mA)	
	User interface	4 tricolor LEDs (green, red, orange)	
	Communication interface	USB Full speed: 12 Mb/s Standard USB classes: CDC, CCID or HID	
	Operating system	Windows, Linux, OS X, Android... Serial emulation (VCP) for USB CDC PC/SC for USB CCID HID Keyboard for USB HID	
	Supported cards	ISO14443 A/B/B* ISO 18092 (NFC) Mifare® 1K, 4K, Plus, Ultra Light (& EV1, C), ProX, SmartMX DESFire® 2K, 4K, 8K Calypso Rev 1, Rev 2, Rev 3 (CD97, GTML, GTML2, CT2000, CD21, TanGO) CTS256B, CTS512B, CTM512B, ST SR Family, THTF1064, Atmel, Infineon, NXP, Sony Felica®, STM ICAO, Java Card®, ITSO®, CIPURSE® ISO15693 (firmware option)	
	SAM interface	1 SAM slot ISO7816 T=0, T=1, with PPS up to 1,2 Mb/s Class B SAM compliant HSP Innovatron Protocol	
	Downloadable Firmware	Fast support of incoming features. Custom firmware for USB HID mode to allow card reading through keyboard interface.	
	Physical Characteristics	Dimensions	106 x 83 x 23 mm
		Weight	110 g
Operating Temperature		-15 to +55 °C	
Storage Temperature		-30 to 70 °C	
Relative humidity		90% non-condensing	
Standards	CE, RoHS, WHQL CEN/TS 16794-2017 Ready RCTIF V5 Ready		

PRODUCT DESCRIPTION

The **open® RDR519** is a professional contactless reader, with high standards of quality and performances.

The embedded SAM interface of the **open® RDR519** allows high level functions, handling security schemes of standards (Calypso®, CIPURSE®, Universal Transaction®, DESFire®...), thanks to the GEN5XX standard platform from Paragon ID.

The **open® RDR519** firmware is fully updatable. The USB HID mode, emulating a keyboard entry, is fully customisable to handle customer cards: the reader automatically detects, reads and analyzes card content, then sends keyboard scan codes to the host.

APPLICATIONS

-  Public transport
-  Identity
-  Loyalty
-  Points of sale
-  Logical access control