

bR301

Bluetooth® Contact Card Reader



Specification

Physical Characteristics

Dimensions	85 mm (L) × 64 mm (W) × 13.5 mm (H)
Weight.....	37 g
Colors.....	Blue, White

USB Host Interface

Protocol.....	USB CCID
Connector Type.....	Micro-USB
Power Source.....	From USB port
Speed.....	USB Full Speed (12 Mbps)
Supply Voltage.....	5 V
Cable Length.....	0.8 m, Detachable

Bluetooth Interface

Protocol.....	Bluetooth (Bluetooth Low Energy/Bluetooth 4.0)
Power Source.....	Rechargeable Lithium-ion
Speed.....	1 Mbps

Contact Smart Card Interface

Number of Slot	1 Full-sized Card Slot
Standard	ISO 7816 Parts 1-4, Class A, B, C (5 V, 3 V, 1.8 V)
Protocol.....	T=0; T=1; Memory Card Support
Supply Current	Max. 50 mA
Smart Card Read/Write Speed.....	10753 bps – 625 Kbps
Short Circuit Protection	(+5) V/GND on all pins
Clock Frequency	4-12 MHz
Card Connector Type.....	Contact

Card Insertion Cycles..... Min. 100,000

Built-in Peripheral

LED..... 2 single-color: Red, Blue

Other Features

Encryption In-device AES-128 Encryption Algorithm

Firmware Upgrade Supported (upgradeable through USB interface)

Application Programming Interface

PC-linked Mode..... PC/SC

..... CT-API (through wrapper on top of PC/SC)

Operating Conditions

Temperature 0 °C – 60 °C

Humidity Max. 90% (non-condensing)

MTBF 500,000 hrs

Certifications/Compliance

CE / FCC / RoHS / EMV Level 1 / LTIC / BSMI / NFC / TELEC / Bluetooth® Smart

Device Driver Operating System Support

Win2000+ / Linux / macOS X / UNIX / Android / iOS

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