

bR301 BLE

Bluetooth Contact Smart Card Reader

Make your workflow wireless,
full support of BLE
(Bluetooth Low Energy)

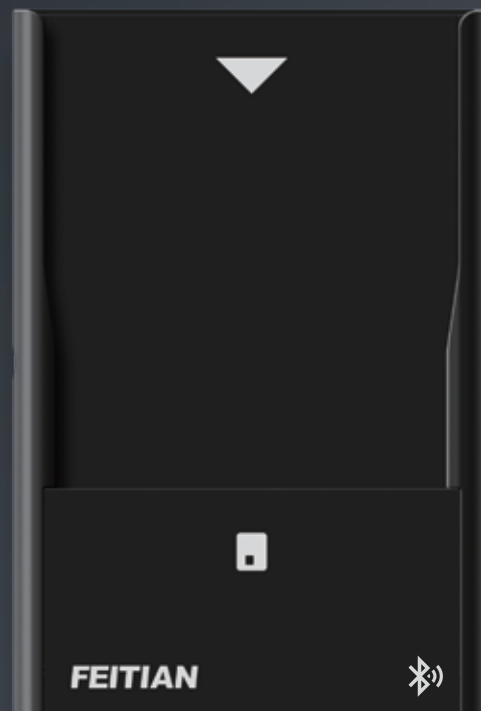
World's lightest Bluetooth reader
with a compact design,
the BLE reader is compact enough
to be hung on the neck as easily as
an employee badge

Market's first CCID Bluetooth driver on Windows,
enabling the BLE reader to work with PC wirelessly

High-security hardware design

Worldwide certifications make the reader an
universal product on both functionality and performance

Integrated low power feature, extends battery life
by automatically turning off in 3 minutes
after last data communication



FEITIAN provides bR301BLE Bluetooth Ccontact Smart Card Reader which is a CCID and PCSC standard product, the product is developed based on ISO 7816 standard, which supports T0 and T1 cards, extended APDU is also supported. bR301BLE can be used on iOS, Android, PC platforms. The product is compact, light and easy to operate, with Bluetooth low power consumption design to save battery, and using latest contact technologies to support the world-wide range of commonly used IC chip cards.

bR301BLE is a card reader hardware which requires a software to communicate with. FEITIAN provides library and graphical user interface that allow user to all functions for secondary development. For mobile platforms, customer can develop their own application based on FEITIAN SDK. For PC platforms, bR301BLE is fully compatible through a traditional USB cable (Micro USB cable included in package). For using bR301BLE with Bluetooth connection on PC platforms, an extra Bluetooth CCID driver is required.

bR301BLE suites customers where security concerns are the most salient and satisfies the demand for a flexible solution for ID authentication, e-commerce, e-payment, information security and access control.

Specifications

Interfaces	USB Type-C (CCID Standard) Bluetooth 4.2	Casing Material	PC	Working Temperature	0°C ~ 60°C
Transmission Speed	12Mbps (USB 2.0 Full Speed)	Dimension	91 × 63 × 8 mm	Storage Temperature	-20°C ~ 85°C
Extended APDU Length	Supported	Weight	31g	Humidity	≤90% (non-condensed)
Contact Card	Supported Card Types: 1.8V, 3V and 5V Smart Card Interface Speed: 10753~625kbps(when supported by card) Smart Card Clock Frequency: 4M~12M ISO 7816-3 ID-1 (full-size) ISO/IEC7816, T=0 and T=1 protocol, Class A, B, C card	Status Indicator	Blue, Red, Yellow, Green	Physical Security	Short circuit and thermal protection, Over-voltage protection, High security level chipset, Electrostatic prevention
Support OS	Win2000+ / Linux / macOS X / UNIX, Android 4.3+ / iOS 4.0+	Connector Cable	0.8m, USB Type-C to USB Type-A	Firmware Security	Firmware encryption mechanism, Firmware upgradability in encryption, Anti-reverse analysis, firmware cannot be read out.
Certifications	CE / FCC / RoHS / EMV Level 1 / LTIC / BSMI / TELEC / Bluetooth® Smart / Microsoft WHQL / FIPS 201	Contact principle	Friction technology	Meantime Between Failure (MTBF)	500,000 hours
Standards	ISO-7816 Class A, B, C (5V, 3V, 1.8V), EMV Level 1, PC/SC, USB 2.0, CCID, PC/SC Lite / WINSCARD API, Bluetooth® Smart	Durability	100,000 card insertions	Warranty	Up to two years manufacturer's warranty.
		Power supply	USB port 5V DC		
		Battery	350mAh		
		Working current	< 50mA without card plugged		
		Power To Smart Card	60mA		
		Power Consumption	Power off: 5µA Standby: <50mA Full speed: <180mA		
		Battery Life	Working mode: 15 days ^(1 minute operation × 10 operations per day) Off mode: 8 years		
		Full Battery Charging Time	2 hours		
		Battery Warranty	1 year by default		