Bluetooth Smart Card Readers

Bluetooth Smart Card Reader Specifications

	bR301 BLE	bR500
Supported Cards	ISO-7816 cards • T=0 and T=1 protocols • Class A, B and C	• ISO 14443 cards (Type A and B) • MIFARE and Felica protocols
Card Size	ISO 7810	ISO 7810
Power to Card	60 mA	60 mA
Smart Card Clock Frequency	4 MHz - 12 MHz	13.56 MHz
Interface Speed	10753 bps ~ 625 kbps	106 kbps ~ 424 kbps
Dimensions	91 x 63 x 8 mm	91 x 63 x 8 mm
Weight	31 g	31 g
Durability	100,000 insertions	N/A
Host Interface	• Bluetooth Low Energy, BLE, Bluetooth Smart • USB 2.0	• Bluetooth Low Energy, BLE, Bluetooth Smart • USB 2.0
Working Current	< 50 mA	< 50 mA
Working Temperature	0 °C ~ 60 °C	0 °C ~ 60 °C
Storage Temperature	-20 °C ~ 85 °C	-20 °C ~ 85 °C
Humidity Rating	≤90% (non-condensed)	≤90% (non-condensed)

	bR301 BLE	**bR500**
Manufacturer	Feitian	Feitian
Supported Standards	• PC/SC • CCID • EMV Level 1	• PC/SC • CCID • EMV Level 1 • NFC Forum
Compliance	RoHS, CE, FCC	RoHS, CE, FCC

Supported Platforms

	bR301 BLE	**bR500**
Bluetooth Connection:	Windows - Windows 8 and newer iPhone - iPhone 4S and newer, iOS 5 and newer Android - 4.3 Jelly Bean and newer (Device must support Bluetooth Smart)	Windows - Windows 8 and newer iPhone - iPhone 4S and newer, iOS 5 and newer Android - 4.3 Jelly Bean and newer (Device must support Bluetooth Smart)
USB Connection:	Windows - Windows XP and newer macOS and OS X - All versions Linux - Kernel version 2.6 and newer	Windows - Windows XP and newer macOS and OS X - All versions Linux - Kernel version 2.6 and newer