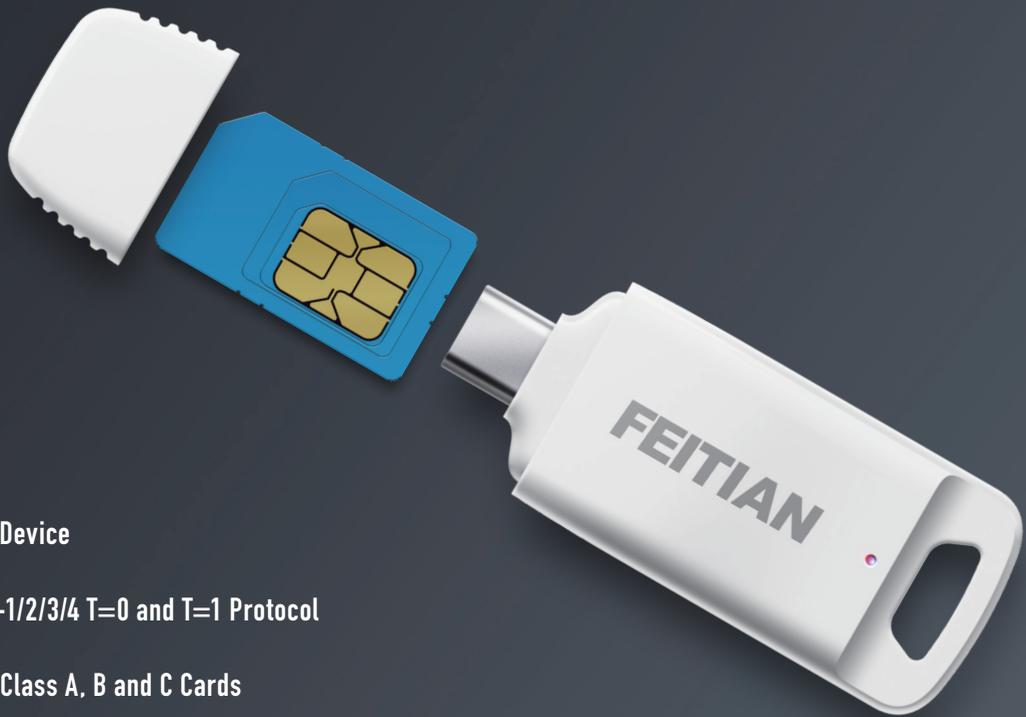# R301 B8

CCID
SIM Card
Reader

USB 2.0 Full Speed Device

Supports ISO-7816-1/2/3/4 T=0 and T=1 Protocol

Supports ISO-7816 Class A, B and C Cards

Compliant with PC/SC, CCID Standards – Plug&Play

Reader ID is configurable

Firmware supports upgrading in encryption

Support Extended APDU Length

Short circuit & overcurrent protection

Compliant with EMV Level 1

Microsoft WHQL certified

ICP-Brasil Certified

Support All Windows platforms, Linux, Mac OS X, Solaris

FEITIAN
WE BUILD SECURITY

The R301 B8 is a CCID-compliant SIM card reader that supports USB 2.0 full speed. It provides a plug-and-play solution, eliminating the need to install drivers and system compliance checks. In addition, the FEITIAN R301 B8 is a terminal device that can be seamlessly integrated into all major operating systems. Additional features, including built-in injected support for different smart card interfaces, facilitate the widespread and cross-industry adoption of the R301 B8.

The FEITIAN R301 B8 is compliant with ISO 7816 and EMV Level 1 specifications.

The FEITIAN R301 B8 is widely used in industries or applications that require electronic payments and authentication, and is particularly suitable for high security areas. It is the best solution for authentication, e-commerce, financial organizations, access control, e-banking, e-government, etc.

Key Applications

e-Government	e-Passport	e-Banking	e-Healthcare
e-Payment	e-Tax	Network Access Control	

Use Cases

Document Signing	Smart Card Logon	Email Encryption	Identification
Secure Authentication	Virtual Private Network	HD Encryption	

Specifications

Product Name	R301	Durability	100,000 insertions	Supported Contact Cards	ID-000 Card, ISO-7816 T=0 and T=1, ISO-7816 Class A, B and C, Support Auto PPS protocol, Clock Frequency: 4 ~ 12 MHz, Data transfer speed: Baud rate 10753 ~ 625 kbps
Model	B8	Meantime Between Failure (MTBF)	500,000 hours		
Interface	USB Type C	Dimension	56 × 21 × 7.5 mm		
Supply Voltage	USB interface 3 ~ 5V DC	Weight	8 g	Supported OS	Windows 8 / 10, Windows Server 2012 / 2016, Linux, macOS, Android 5+(OTG),
Supply Current	< 50mA	Material	ABS +PC		
Operating temperature	0 °C ~ 60 °C	Standards & Certifications	ISO-7816, Microsoft WHQL, PC / SC, CCID, EN 60950 / IEC 60950, CE, FCC, RoHS, ICP-Brasil		
Operating Humidity	0 ~ 90% RH non-condensing			Warranty	One year
Storage Humidity	0 ~ 90% RH non-condensing				