R301 C41

CCID
Smartcard Reader

Support USB 2.0 interface

Build in short-circuited /
over-voltage protection

Read / write all CLASS A, B and C smart cards
which are compliant with ISO 7816-1/2/3 T=0 and T=1

Data transfer speed:
For T=0 and T=1, Baud rate is 10753 ~ 625Kbps
(When the frequency of IC card is 5MHz ~ 12MHz)

UID (User ID) management

Anti-reverse analysis,
firmware encryption mechanism, cannot be read out

Provide 255 bytes' flash memory for private data

MTBF - more than 500,000h

Compiled standard CCID specification,
driverless for Windows, Linux, macOS, UNIX

Compliant with EMV Level 1

FEITIAN
WE BUILD SECURITY

FEITIAN R301-C41 Smart Card Reader is specially engineered to accommodate a range of smart card applications. Developers use it as a platform to generate and deploy related products and services. Moreover, FEITIAN R301-C41 is a terminal unit which is seamlessly integrated to all major systems of operation. Additional features such as the built-in inclusive support for different smart card interfaces has facilitated the wide scale and cross industry adoption of R301-C41.

R301-C41 suits 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.

R301-C41 and the rest of FEITIAN's line of smart card readers offer each customer a complete solution for all manner of utilizations.

Key Applications

e-Government
e-Passport
e-Banking
e-Tax

e-Healthcare
e-Payment
Network Access Control

Use Cases

- Secure Authentication
- Identification
- Virtual Private Network
- HD encryption

- Document Signing
- Smart card Logon
- Email encryption

Specifications

Product Name	R301 (USB Type-A) / R301-C (USB Type-C)	Warranty	Up to 2 years
Casing No.	C41	Size	120 × 80 × 76 mm
Interface	USB 2.0 Type A or Type C interface (12Mbps)	Material	ABS+PC+Metal
Power Supply	USB port 3 ~ 5V DC	Status Indicator	Blue and Red LED
Working Current	≤ 12mA without card plugged < 50mA with card plugged	Weight	282g
Card Clock Frequency	4.8MHz ~ 16MHz	Working Temperature	0°C ~ 60 °C
Card Slot	ISO7816-3 standard slot >300,000 times plug/unplug	Storage Temperature	-20°C ~ 85°C
		Humidity	≤90% (non-condensed)
CPU Card	ISO/IEC7816, T=0 and T=1 protocol, Class A, B, C cards	Firmware	OEM firmware
		Hardware Security	Support Card short circuit protection
	Data transfer speed: 13440 ~ 625kbps		Build in short-circuited / over-voltage protection
	Power supply: 1.8V, 3V and 5V	Supported OS	Windows 2000 / XP / Server 2003 / Vista / Server 2008 / Server 2008 R2 / Server 2012 / Server 2012 R2 / 7 / 8 / 8.1 / 10, Linux, macOS, Solaris, Android 5.0+ (OTG)
	Frequency of card: 4.8MHz ~ 16MHz		
	Card size: ID1	Certification	ISO9001 / ISO14001 / CE / FCC / RoHS / EMV Level 1 / ICP-Brasil / Microsoft WHQL, EN60950 / IEC60950, WEEE, REACH
Connector Cable	150cm (59.1")		
Meantime Between Failure (MTBF)	500,000 hours		

FEITIAN Technologies Co., Ltd.

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