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 $10753 \sim 625 Kbps$ (When the frequency of IC card is $5MHz \sim 12MHz$)

UID (User ID) management

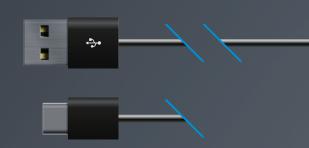
Anti-reverse analysis, firmware encryption mechanism, cannot be read out

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 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-Healthcare <u>e-Passpor</u>t e-Payment

e-Banking Network Access Control

e-Tax

Use Cases

3 Secure Authentication

■II Identification

😽 Virtual Private Network

♣ HD encryption

Document Signing

™ Email encryption

Specifications

Product Name R301 (USB Type-A) / R301-C (USB Type-C)

Casing No. C41

USB 2.0 Type A or Type C interface (12Mbps)

Power Supply

USB port 3 \sim 5V DC

Working Current ≤ 12mA without card plugged

< 50mA with card plugged

Card Clock Frequency 4.5

4.8MHz ~ 16MHz

Card Slot

ISO7816-3 standard slot >300,000 times plug/unplug

CPU Card ISO/IEC

ISO/IEC7816, T=0 and T=1 protocol,

Class A, B, C cards

Data transfer speed: 13440 ~ 625kbps

Power supply: 1.8V, 3V and 5V

Frequency of card: 4.8MHz ~ 16MHz

Card size: ID1

Connector Cable 150cm (59.1")

Meantime Between Failure (MTBF) 500,000 hours

Warranty Up to 2 years

Size 120 × 80 × 76 mm

Material ABS+PC+Metal

Status Indicator Blue and Red LED

Weight 282g

Working Temperature 0°C ~ 60°C

Storage Temperature -20°C ~ 85°C

Humidity ≤90% (non-condensed)

Firmware **OEM firmware**

Hardware Security Support Card short circuit protection

Build in short-circuited / over-voltage protection

pported 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)

.IIIUX, IIIacus, sulaiis, Aliuiviu 5.0+ (010)

ISO9001 / ISO14001 / CE / FCC / RoHS / EMV Level 1 / ICP-Brasil / Microsoft WHQL, EN60950 / IEC60950,

WEEE, REACH