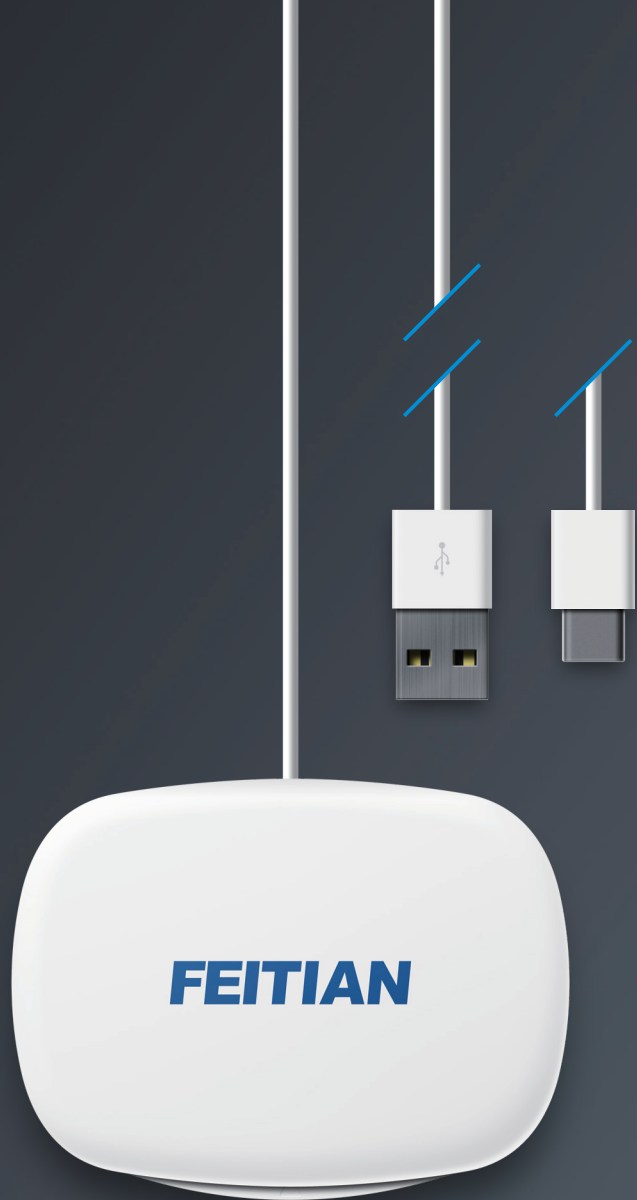


# R301 C25

## 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)

Support Auto PPS(Protocol and Parameters Selection)

Support Extended Length APDU

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

**FEITIAN**  
WE BUILD SECURITY

**FEITIAN R301 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 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.**

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

## Key Applications

- e-Government

e-Passport

e-Banking
- e-Healthcare

e-Payment

Network Access Control

## PKI Applications

- Digital Signature
- Identification

## Specifications

Model name with USB Type A	R301	Warranty	Up to 2 years
Model name with USB Type C	R301-C	Size	74 × 56 × 1mm
Interface	USB 2.0 Type A or Type C interface (12Mbps)	Material	ABS+PC
Power Supply	USB port 3 ~ 5V DC	Status Indicator	Blue and Red LED
Working Current	≤ 12mA without card plugged < 50mA with card plugged	Weight	46g
Card Clock Frequency	5MHz ~ 12MHz	Working Temperature	0°C ~ 60 °C
Card Slot	ISO7816-3 standard slot >100,000 times plug/unplug	Storage Temperature	-20°C ~ 85°C
CPU Card	ISO/IEC7816, T=0 and T=1 protocol, Class A, B, C cards	Humidity	≤90% (non-condensed)
	Data transfer speed: 10753 ~ 625kbps	Firmware	OEM firmware
	Power supply: 1.8V, 3V and 5V	Hardware Security	Support Card short circuit protection
	Frequency of Card: 5MHz ~ 12MHz		Build in short-circuited / over-voltage protection
	Card size: ID-1	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)
Connector Cable	150cm (59.1")	Certification	ISO9001 / ISO14001 / CE / FCC / RoHS / EMV Level 1 / ICP-Brasil / Microsoft WHQL, EN60950 / IEC60950
Meantime Between Failure (MTBF)	500,000 hours		