

# oR301-C60

## Smartcard Reader

- USB Type-C interface
- Built-in short circuit / overvoltage protection
- Read /Write CLASS A, B and C smart cards which compliant with ISO 7816-1/2/3 T=0 and T=1
- Data transfer speed for T=0 and T=1, baud rate is 13.440k ~ 625K (5MHz-12MHz IC card frequency)
- UID (User ID) management
- Firmware encryption mechanism, anti-reverse analysis
- 255 bytes of flash memory for private data
- MTBF - more than 500,000h
- Compliant with CCID standard, driverless for Windows, Linux, macOS, UNIX
- PC/SC Compliant





# Introduction

oR301-C60 (USB Type C) 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, Mobile-ID oR301-C60 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 oR301-C60.

oR301-C60 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.

oR301-C60 and the rest of Mobile-ID’s line of smart card readers offer each customer a complete solution for all manner of utilizations.

# Key Applications

- e-Government

e-Healthcare
- e-Passport

e-Payment
- e-Banking

Network Access Control

# PKI Applications

- Digital Signature
- Identification



# Specifications

Interface type	Android 11
Connector type	Quad-Core ARM Cortex A53
Power supply	RAM: 3GB /ROM: 32GB
Working current	4G (LTE-FDD/LTE-TDD) + 3G (WCDMA) + 2G (GSM/GPRS), WiFi 2.4GHz/5GHz, BT4.2 (BR/EDR+BLE)
Card clock frequency	GPS/AGPS, Beidou, GLONASS, Internal antenna
Card Slot	5.0 inch, 1280 × 720, IPS
CPU card	Rear: 8MP AF with Flash Support Scanner 1D&2D code & QR Code Front: 5MP FF
Casing Number	Support Google mobile services
Meantime Between Failure (MTBF)	3.8V/5000mAh
Warranty	Support FT PAY(Feitian softPOS)
Size	ISO/IEC 7816, ISO / IEC7816, T=0 and T=1 protocol, Class A, B, C cards Support CCID Protocol
Material	13.56MHz, ISO 14443 Type A and B, ISO 15693, Mifare, FeliCa Original NFC SDK by android system
Status Indicator	Biometric fingerprint
Weight	SIM*1 + PSAM*1
Color	Type C*1(USB2.0, OTG)
Working temperature	Input: 100-240V AC, 50/60Hz 0.35A Output: 5V DC/2.0A
Storage temperature	203mm (L) × 80mm (W) × 21mm (H)
Humidity	245g
LOGO	Operating Temperature: 0°C ~ 60°C (0°F~140°F) Storage Temperature: -20°C ~ 85°C (-4°F~185°F) Relative Humidity 5%-96% (Non-Condensing)
Hardware Security	Adapter*1, USB Cable
Supported OS	CE, WEEE, UN38.3
Certification	CE, WEEE, UN38.3