



XID-TECH CO., LTD(SHENZHEN)

- RFID Security & Identity Solution -



PRODUCT CATALOG

OEM Read/write Module

From 2012

SHENZHEN, CHINA

- M301 13.56MHz OEM Reader Module**
- M302 13.56MHz & NFC OEM Reader Module**
- M303 13.56MHz & NFC Mini Reader Module**



THE LATEST FEATURES:

- Providing flexibility in credential model choice with multi RF card(13.56MHz , NFC mobile phone and contact card
- Advance secure with 128bit AES and 3DES(Trip DES) encryption
- Multi Communication Interface for flexible integration
- Diversified antenna design ideal for different integration
- Selective card polling capability in multi block transfer
- Simple & security commands for reading/writing control
- Ideal for e-purse , secure access and fast data collection applications
- Online Firmware upgarding
- OEM/ODM service

Visual Indicator

- M301** One buzzer, Two LEDs (Red and Green)
- M302/3** Controllable 2 LED (Red and Green) and 1 Buzzer to observe working status

Communication Rate & Baud Rate

- M301** 424Kbit/s
- M302/3** Up to 848kbps High speed transaction
9600 - 115200 Kbit/s (default 115200)

Operating System

Windows 98/2000/XP/7/8; Vista; Server2003&2008,ME98;
Android; Linux

Software compatible & Testing

SDK(Software development kit)
HTP(hardware testing package)

Specifications

CREDENTIAL TYPES

ISO14443AMIFARE®, MIFARE® DESFire® EV1, MIFARE Plus®, ISO14443B, Sony FeliCa™, MIFARE Ultralight®, MIFARE Ultralight C®, ISO18092 NFC / ISO15693 (I-CODE ILT-M, I-CODE SLI-L/S, Tag-It, My-d, EM4035)
ISO 7816 1/2/3, ClassB,C (3V,1.8V), T=0 and T=1
Build-in SAM slot, expandable on request

General info

- M301** 100mm*50mm*10mm (with Build-in Antenna)
50mm*46mm*10mm (with External Antenna)
- M302** 100mm*50mm*10mm (with Build-in Antenna)
50mm*46mm*10mm (with External Antenna)
- M303** 32×28×3.5mm

Antenna

- M301** One External Antenna 55*50*2.6mm
- M302** One External Antenna as below options:
55*50*2.6mm (External Antenna)
40*20*2.6mm (External Antenna)
30*30*2.6mm (External Antenna)
- M303** one or two external antenna

Power supply & consumption

- M301** 5VDC (±5%) or 3.3V DC(±5%) <120mA
- M302** 3.3V or 5V DC (±5%)
0.45mA in ultra low power mode
80mA(<100 mA) during card polling
- M303** 3.3V DC (5V on request)
0.45mA in ultra low power mode
80mA(<100 mA) during card polling

Communication interfaces

- M301:** RS232, RS485, Wiegand26, TTL
- M302:** RS232, RS485, USB 2.0 (12 Mbps),TTL, SPI, Clock & Data / ABA1,2 / Wiegand26,30,32,40,42,50,56,58 as optional
- M303:** USB, TTL, SPI, Wiegand, ABA1/2, Clock & Data

Environmental

Operating Temperate -20° to 60° C
Storage Temperate -25° to 70° C
Operating Humidity 5% to 95% relative humidity non-condensing
FCC Certification (US), CE (EU)

Extended Inputs/Outputs

3 I/O ports, the I/O ports provide TTL level interface for general-purpose using No current driving or input protecting circuits is associated with these I/O ports

Order Guide

Config Number	Specifications	Key items to select model
M301	13.56MHz OEM Reader Module ISO14443A MIFARE®,ISO1443B, ISO15693, Sony FeliCa™, MIFARE Ultralight®,MIFARE UltralightC®, Interface: RS232 or RS485, Wiegand26, TTL Antenna: One External Antenna 55*50*2.6mm Power supply: 5V DC	1. Supporting RF card 2. Interface 3. Power supply 4. Size 5. Integrated Environment (* Feedback the above items to sales, you will get the final model name for you)
M302	13.56MHz & NFC OEM Reader Module ISO14443A MIFARE®,MIFARE Plus, DESFire®EV1,,Sony FeliCa™, MIFARE Ultralight®,MIFARE UltralightC®,ISO1443B, NFC ISO 7816 1/2/3, ClassB,C (3V,1.8V), T=0 and T=1 One build-in SAM slot, expandable on request Interface: RS232 or RS485, USB 2.0 (12 Mbps),TTL, SPI, Clock & Data / ABA1,2 / Wiegand26,30,32,40,42,50,56,58 as optional Antenna: One External Antenna as below options: 55*50*2.6mm (External Antenna) 40*20*2.6mm (External Antenna) 30*30*2.6mm (External Antenna) Power supply: 3.3 or 5V DC	
M303	13.56MHz R/W mini Reader Module,Low Power Consumption ISO14443A 1-4 Mifare,Mifare plus,Desfire EV1,Ultralight,Ultralight C, ISO14443B,ISO15693,Felica and ISO18092 NFC with 2 integrated SAM socket Interface: USB/TTL/SPI/Wiegand26,32,32e,34,40,42,50,56,58C&D/ABA1,2 Antenna: works with single external antenna Power supply: 3.3 V DC	

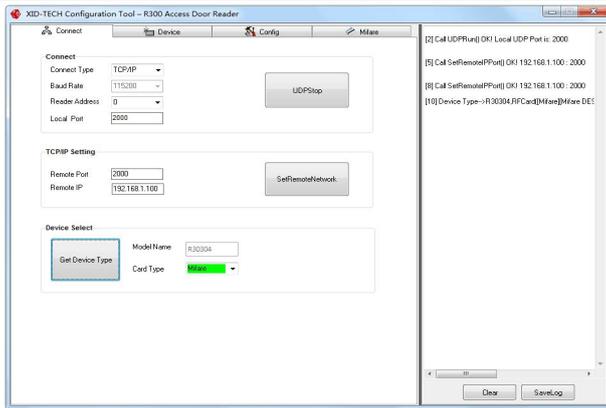
Specifications are subject to change without notice.

Applications



- Access control, hotel lock
- Automatic identification
- Car parking system, Turnstile system
- Payment system, Vending Machine, Koisk system
- Inventory tracking
- Navigation

Related Software and Testing Program



M300 series configuration tool offer for reader configuration and multi cards testing. It includes the setting of device setting and configuration, and all parameters in Mifare, Mifare Plus, DESFire EV1, Ultralight, Felica and NFC tag, support ISO14443A. This software tool ease for your reader using detection and diagnosis in normal application environment.



SDK (software development kit) work with R300/C300 series products for second development, which includes API, Host Demo, User manual, USB driver and program example. It's developed by C++ builder developing tool on windows operating System and GCC developing tool on Linux OS, compatible to VC, VB/VB.NET, C++, C#. NET, Delphi etc.



A plug & play Hardware Testing Package (HTP) for your fast testing and evaluation. Package list:



- Testing Board • Power supplier • RS232 cable
- Wire cable • Internet cable • Testing Cards
- RS232 / RS485 converter



XID[®]
XID-Tech CO., LTD (SHENZHEN)

OEM/ODM Manufacturer

5th Floor, Block 1, Tong Fu Yu Industrial Park, XiLi
Town, Nanshan District, Shenzhen, 518057, RP China
Tel: +86-75588226176 Fax: +86-755 88226177
Email: Sales@xid-tech.com, Alina@xid-tech.com
Website: www.xid-tech.com