



CN56X0B Smart Access Reader

Technology-packed Reader introduce

DESFire EV1, Mifare Plus & Felica + **NFC** :))

Optimized to make physical access more secure and smart, CN56X0B access readers introduce multi-technique to work with all main 13.56Mhz smart cards as DESFire EV1, Mifare Plus and Sony Felica to enhance security through high encryption and multi-authentication, and ISO18092 NFC for mobile phone access solution.

Adopt advanced high performance CPU, CN56X0B achieve fast running speed and lower consumption to ensure system more stable and affordable. It is with wide operating voltage and unique multi-interface design as RS232/485, TCP/IP, Wiegand, C&D & ABA with various output formats to meet high compatibility for most controllers on the market.

More than traditional access control reader application, CN56X0B is also suitable for general purpose such as time attendance, personal Identification, membership and E-payment on security and smart card applications to build flexible and intelligent low cost solution.

Advantages

- ◆ Multi RFID smart card options: ISO14443A, Mifare, Mifare Plus, DESFire EV1, Felica
- ◆ Support ISO/IEC18092 NFC Peer-to-Peer mode
- ◆ Support High Speed of ISO14443 up to 848 kbps
- ◆ Build-in tamper-resistant Switch
- ◆ Three-wire fully control Bio-color LED and buzzer
- ◆ Build-in TCP/IP interface and relay
- ◆ Support DHCP and Static IP address assignation
- ◆ Support TCP/IP online upgrade via Web page, to greatly ease firmware upgrade and IP parameter setting
- ◆ Factory default setting and system reset function for easy setting
- ◆ Keypad shortcut to enter upgrade mode and factory parameters recover mode
- ◆ Flexible to integrate with CIVINTEC device and other access control system
- ◆ Can be installed on metal surface
- ◆ Customized design to meet various requirements
- ◆ Embedded SAM (Secure Access Module) on request

Applications

- ◆ Access Control
- ◆ Time Attendance
- ◆ Personal Identification
- ◆ E-payment
- ◆ Public Transportation
- ◆ Loyalty

Family Member

	CN5600B	CN5610B	CN5620B	CN5630B	CN5640B	CN5650B
Mifare	●	●	●	●	●	●
Mifare Plus		●		●		●
DESFire EV1			●	●		●
NFC					●	●
Felica					●	●

* CN5600B - R/W Mifare Secure Sector
CN5600BS - R/O Mifare UID

Order Code

CN56X0B-X-XX

Housing design
0C - Card Only
1C - Card with keypad

Interface
2 - RS232, Wiegand / Clock & Data / ABA1,2
4 - RS485, Wiegand / Clock & Data / ABA1,2
T - TCP/IP, Wiegand / Clock & Data / ABA1,2

Product Images



126*68*19mm
0C Wall Mount reader
CN56X0B-X-0C



126*68*19mm
1C Wall Mount reader with keypad
CN56X0B-X-1C

► Specifications

Model	CN56X0B-X-XX
Operating Frequency	13.56MHz
ISO18092	ISO18092 NFC peer to peer
RFID Standard	ISO14443A 4(part 1-4), Mifare, Mifare Plus and DesFire EV1, Felica
RFID Card Supported	Ultralight, Mifare 1K/4K, Mifare Pro/Prox, Mifare Plus, DESFire EV1 and other ISO14443A compatible cards, Sony Felica, ISO14443B on request
Power Supply	9V DC (9-24V), <150mA
Interface	- RS232, Wiegand (26, 34, 42, 50, 58) / Clock & Data 8, 10 / ABA1,2 - RS485, Wiegand (26, 34, 42, 50, 58) / Clock & Data 8, 10 / ABA1,2 - TCP/IP, Wiegand (26, 34, 42, 50, 58) / Clock & Data 8, 10 / ABA1,2
Reading output format	Wiegand 26, 34, 42, 50, 58 / Clock & Data 8, 10 (3 byte, 5byte, HEX,ASCII) / ABA1, 2
Keypad output format	4bit, 8bit, wiegand 26
Keypad	3*4 keypad with backlight
Indicators	Bio-color LED and Buzzer controlled by three-wires
Reading Distance	50 - 100mm (depending on antenna, transponder)
Writing Distance	30 - 70mm (depending on antenna, transponder)
Operating Temperature	-20° C ~ +60° C / -4° F ~ +140° F
Storage Temperature	-20° C ~ +60° C / -4° F ~ +140° F
Operating Humidity	0 ~ 95% relative humidity non-condensing
Housing Material	ABS
Protection Class	IP65, electric epoxy potted for harsh environment

* Specifications are subject to change without notice.

► Config Tool Software



CN56X0B Config Tool is provided for CN56X0B-X-XX configuration and test. Including set Reader device address, baud rate, interface output format, read card block, config the parameters for Mifare, Mifare Plus, DESFire EV1, Ultralight, Felica and NFC tag, support ISO14443A. The tool also can control reader's buzzer and led by external setting, furthermore, setting, furthermore, it features Default Setting and Reset function for easy custom's using.

► Hardware Testing Package (HTP)

A plug & play Hardware Testing Package (HTP) is provided to ease your fast testing and evaluation. The package is listed as the table below. (Item different according to part no. of products).

Package list:

- | | |
|--------------------------------------|----------------------------------|
| (1) Testing board | (4) RS232-RS485 converter module |
| (2) Power supply | (5) wires & cable |
| (3) Serial & USB Communication cable | (6) Testing cards and tags |

► Configuration

