CV5XXX   13.56MHz Access Control Door Reader

CV5XXX Access Control Door Reader Series are highly configurable for multi-ISO technology 13.56 MHz ISO14443A/B, ISO15693 in read and write. It offers variety of readers with Pin pad, LCD in different size for both indoor/outdoor (IP65), and multi-interface to work and integrate the most physical access controllers to build advanced security system.

➢ **The family members are:**

CV5100-X-XX	ISO15693, ISO14443A and ISO14443B
CV5600-X-XX	Read/Write MIFARE® Secure Sector
CV5600S-X-XX	MIFARE® Serial Number Only (UID)

Advantages

- 45cm Pigtail or plug connector with screw terminal is available on request
- Build-in TCP/IP (CV5XXX-X-2B)
- Feature with relay on request (CV5XXX-X-2B)
- 4 bit or 8 bit Burst output format
- Can be installed on metal surface
- Indoor and Outdoor (IP65, Electric epoxy potted) version for selection
- Hardware Watchdog and voltage monitoring enhance the system reliability
- Firmware can be changed to meet customer's request
- Built-in memory to enhance security in transaction
- Supporting multi block transfer
- Auto PPS (PICC)
- Authentication key available on request.
  Readers and cards require matching keys to function. All RF data transmission between the card and reader is encrypted by using a secure algorithm. The key management system reduces the risk of compromised data or duplicated cards.

Product Images
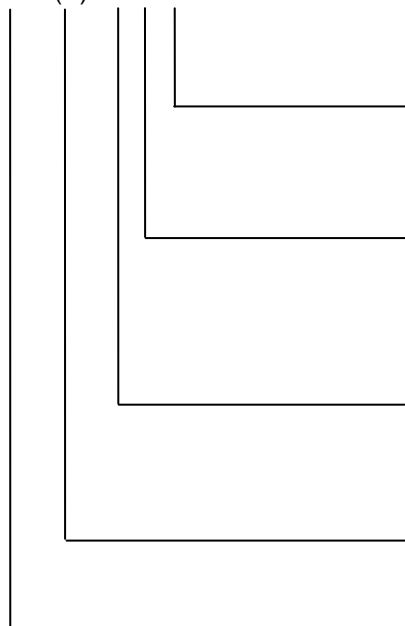

0C Mount Reader	2B Wall Mount Reader with LCD	0D Mullion Mount reader	0E Mini Reader
26*68*19mm	120*90*25mm	118*44*20mm	94*43*18mm

Order Code

CV5X00 (S) - X- XX

Housing design
B - Indoor, Outdoor
C - Outdoor, IP65
D - Outdoor, mullion
E - Outdoor, mini

Features
0 - Card only
2 - Card + PIN + LCD

Interface

2	RS232, Wiegand 26(default), ABA1/2, Clock & Data
4	RS485, Wiegand 26(default), ABA1/2, Clock & Data
X	RS232, RS485, Wiegand 26 (default), ABA1/2, Clock & Data
T	TCP/IP, Wiegand 26 (default) , ABA1/2, Clock & Data (CV5XXX-X-2B)

S - Serial number only (UID)

Technology
5100 - ISO15693, ISO14443A and ISO14443
5600 - Read/Write MIFARE® Secure Sector

Specifications

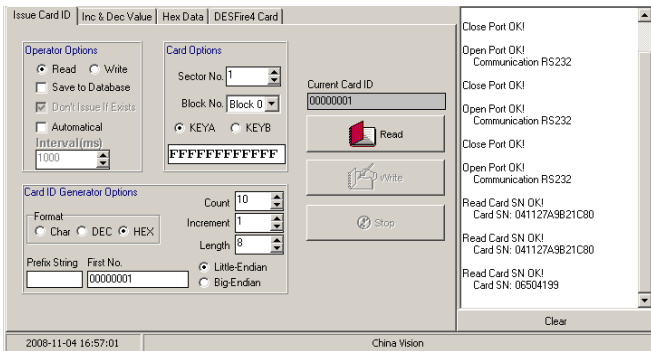| Model	CV5100-X-XX	CV5600-X-XX	CV5600S-X-XX
Operating Frequency	13.56 MHz	13.56 MHz	
Standard	ISO15693, ISO14443 A and B	ISO14443 A MIFARE®	ISO14443 A MIFARE®
Data Type	Read/write: MIFARE® secure sector and ISO15693	Read/write: MIFARE® secure sector	Serial number only
Readable Cards	ISO15693, TagIt, I-Code, My-D, MIFARE® Standard, MIFARE Ultralight®, MIFARE® Classic 4K, MIFARE® Pro/Prox, SLE 55Rxx,SLE66CL160S, Other ISO14443 compatible cards	**Read/Write :** MIFARE® Classic 1K, MIFARE® Classic 4K, MIFARE Ultralight®, MIFARE® Pro/Prox and ISO14443A compatible card	**Read only:** MIFARE® Classic 1K, MIFARE® Classic 4K, and other ISO14443A compatible cards
Power Supply	9V DC (9-12V), <150mA		
LCD	Blue LCD dots matrix with backlight, 16 characters each line * 2 lines (CV5XXX-X-2B)		
Keypad	3*4 keypad with backlight, 4bit or 8 bit output		
Interface	Wiegand26 (default) (26-56 selectable) / RS232 / RS485 / ABA1 and 2, Clock & Data TCP/IP network version available as option; others on request		
Indicators	LED and Buzzer		
Reading Distance	50-70mm for ISO14443A (depending on transponder)	50 -70mm (depending on transponder)	

Operating Temperature	-25°C ~ +65°C / -13°F ~ +149°F
Storage Temperature	-25°C ~ +70°C / -13°F ~ +158°F
Operating Humidity	0 ~ 95% relative humidity non-condensing
Connection	45cm Pigtail or plug connector with screw terminal is available on request
Housing Material	PC for 0D/2B casing, other ABS
Protection Class	IP65, electric epoxy potted for harsh environment

Specifications are subject to change without notice.

Relative Products for CV5600-X-XX read/write Mifare Secure Sector

Professional card programming software CVReader Card Programmer is provided for programming card ID, increment/decrement for MIFARE® Classic 1K, MIFARE® Classic 4K

✧ A few numbers of cards can be programmed by CV5600-X-XX with the card programming software.

✧ Professional desktop reader CV6XXX is designed for card batch programming with the card programming software.

✧ Encrypted reader compatible with CV5600-X-XX and cards available for high security solution.

Hardware Testing Package (HTP)

A plug & play Hardware Testing Package (HTP) is provided to ease your fast testing and evaluation.

Package list:

● Testing Board   ● Power supplier   ● RS232 cable   ● 4 wire cable

● Testing Cards   ● RS232 / RS485 converter

Configuration