# CV9601T(S)-X-1F    Anti-vandal powerful dual Access Control + T/A System with keypad

CV9601T(S)-X-1F is high level dual access control and time attendance system terminal. It's a contactless reading MIFARE® Secure Sector or read only (UID) device that supports ISO 14443A MIFARE®.

The terminal features with stand-alone mode, network mode via RS485 or build-in TCP/IP. It can automatically switch work mode between Card only, Card or PIN, Card + PIN. Furthermore, the terminal enables to set parameter of valid time for users. With 15 changeable time group (each time group has 8 days including 1 holiday and each day has 5 time schedule), CV9601T(S)-X-1F can meet different regulatory requirements.

The terminal features toggle function, so the door could be opened for a specific period of time and closed by presenting card, it's suitable for frequent access place such as hotel, classroom, hospital, etc. It also features an external reader for anti-passing back (Wiegand port) for high security.

Powerful and friendly application software is offered for access control & time attendance solution with integrated user management, which is designed for single or network management on CV9601T(S)-X-1F Terminal by simple one-click solution to literally get complete monthly T&A report for all users. SDK is also open for customer's further development in short time.
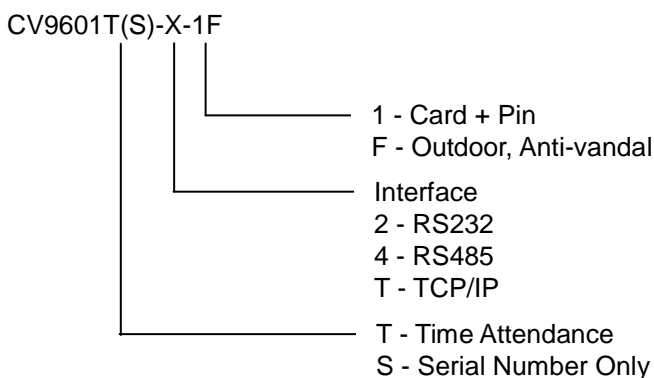
➢ **The family members are:**

CV9601T-X-1F        Supports MIFARE® Secure Sector & MIFARE® UID
CV9601TS-X-1F       Supports MIFARE® UID

## Advantages

- Stand-alone mode and network mode
- Automatic to switch work mode: Card, Card or Pin, Card + Pin (password length can be set 2~6 digits)
- Various number of cardholder and events is selectable: (512; 10,000), (2000; 50,000) and (5000; 100,000)
- Enable to set parameter of valid time for users
- Changeable 15 time group, each time group has 8 days including 1 holiday and each day has 5 time schedule
- Guarantee that the record does not lose
- Vandal resistant for harsh environment
- Duress alarm in case of emergency

- 4bit burst input format
- External reader for anti-passing (Wiegand port)
- Automatic to identify and receive signal input from wiegand 26/34 interface
- All I/Os and operating times user keypad programmable
- Toggle mode of door opening for a specific period of time, suitable for frequently in/out place
- Housing sabotage alarm and self diagnostics
- Watch-dog timer & power on reset
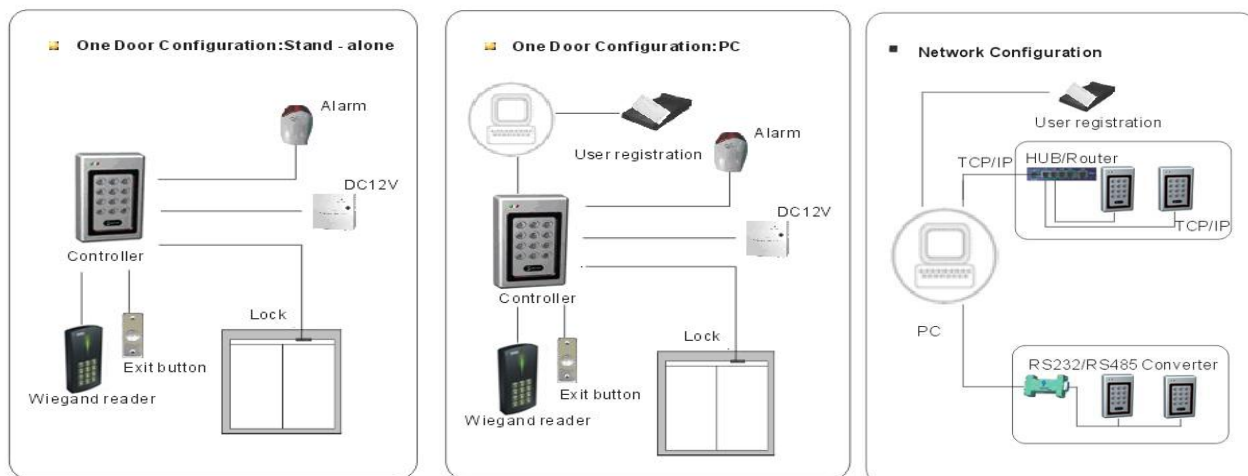- Adjust Controller time

## Order Code

CV9601T(S)-X-1F

1 - Card + Pin
F - Outdoor, Anti-vandal

Interface
2 - RS232
4 - RS485
T - TCP/IP

T - Time Attendance
S - Serial Number Only

## Product Image



CV9601T(S)-X-1F
120*75*22mm

## Specifications

| Model | CV9601T-X-1F | CV9601TS-X-1F |
|---|---|---|
| Supporting card | MIFARE® and other ISO14443A compatible card | |
| Read and write | Read data from user defined sector of MIFARE® card | Read only UID of MIFARE® and other ISO14443A card |
| Operation Frequency | 13.56MHz | |
| Power Supply | 9V DC (9-24V), <100mA | |
| Cardholder, Events | (512; 10,000), (2000; 50,000) and (5000; 100,000) is selectable, including one master card<br>With real time clock (RTC) | |
| Stand alone | Yes | |
| Network | Yes, via RS485 (up to 98 units) or build-in TCP/IP | |
| Baud Rate | 9600-115200 bit/s (default 9600) | |
| APB | External Wiegand 26/34 reader | |
| Operation Mode | Card, Card or Pin, Card + Pin (automatica to switch, password length can be set 2~6 digits) | |
| Memory | 2M Byte EEPROM | |
| Alarm | 1) Door non-closed detection<br>3) Housing sabotage alarm | 2) Door broken alarm<br>4) Duress alarm in case of emergency |
| Keypad | 3*4 keypads with backlight | |
| Input device | 2 inputs (exit button, door state sensor) | |
| Output device | 2 relay outputs | |
| Reading distance | 30mm (depending on transponder) | |
| Indicators | Buzzer and LED | |
| Housing Material | Zn-Fe alloy | |
| Indoor / outdoor | Both, potted version (IP65) available on request | |
| Temperature range | -20°C ~ +60°C / -4°F ~ 140°F | |
| Relative humidity | 10-95% (non condensing) | |

Specifications are subject to change without notice

## Configuration

## Relative Products

### Software Development Kit

IOAccess SDK is software development kit worked with CiVinTec Access Control & TA terminal for second development. It includes API, Host Demo, user manual 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,JAVA,C++,C#.NET, DELPHI etc.

### Access Control & Time Attendance Software

- Access Control Software features to control network of Civintec devices by easy connectivity with PC. It's easy operation suitable for small-to-large sized organizations.
- Time Attendance Software is designed for one-click solution to literally get complete monthly T&A reports for all users. Data can be exported for further processing.

### 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
- Wire cable
- Internet cable
- Testing Cards
- RS232 / RS485 converter

### Relative Hardware

- CV9601T(S)-X-1F Serial Number series can register a few number cards on stand-alone application, and professional desktop reader CN6XX is required for card batch issuing on stand-alone or network application. CN6XX is required for card programming on stand alone or network application
- Full range of cards and tags available to meet complete solution