

EL500-X-XX Access control system, EM125kHz technology

EL500T-X-XX Dual Access control + Time Attendance system, EM125kHz technology

EL500-X-XX is economic access control terminal, EM125kHz technology.

EL500T-X-XX is economic access control terminal with [time recording](#) function, EM125kHz technology.

The terminal features with stand-alone mode, network mode via RS485 or build-in TCP/IP; 512 cardholders can be registered, and event records reach up to 1,000 (EL500T-X-XX); Work modes include Card only, PIN only, or Card+ PIN with backlight keypad.

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. More housing style is provided for different application.

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 EL500-X-XX Terminal by simple one-click solution. SDK is also open for customer's further development in short time.

➤ **The family members are:**

Access Control

- EL500-X-0F Anti-vandal access control system, EM125kHz technology
- EL500-X-1F Anti-vandal access control system, EM125kHz technology, with keypad

Access Control with Time Attendance function

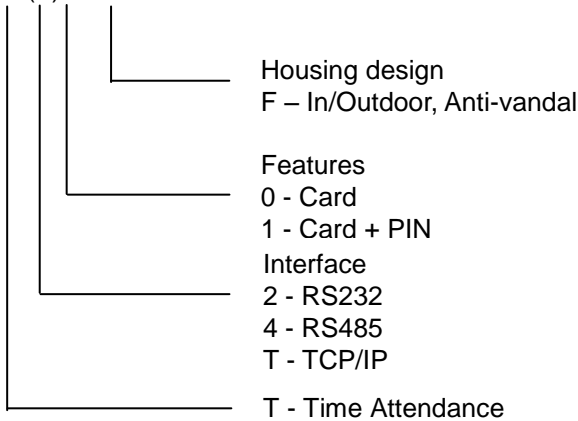
- EL500T-X-0F Anti-vandal Dual access control + time attendance system, EM125kHz technology
- EL500T-X-1F Anti-vandal Dual access control + time attendance system, EM125kHz technology, with keypad

Advantages

- ✚ Stand-alone mode and network mode
- ✚ Vandal resistant for harsh environment (0F/1F casing)
- ✚ Guarantee that the record does not lose
- ✚ Adjust Controller time
- ✚ Dual function: access control + time attendance with real time clock and 1,000 events (EL500T-X-XX)
- ✚ Build-in TCP/IP interface optional for networking
- ✚ Up to 512 user, including one master card
- ✚ Card, Card + PIN, PIN mode
- ✚ Duress alarm in case of emergency
- ✚ External reader for anti-passing (Wiegand port)
- ✚ Housing sabotage alarm
- ✚ All I/Os and operating times user keypad programmable
- ✚ Self diagnostics
- ✚ Watch-dog timer & power on reset

Order Code

EL500(T)-X-XX



EL500-X-0F
EL500T-X-0F
120*75*22mm



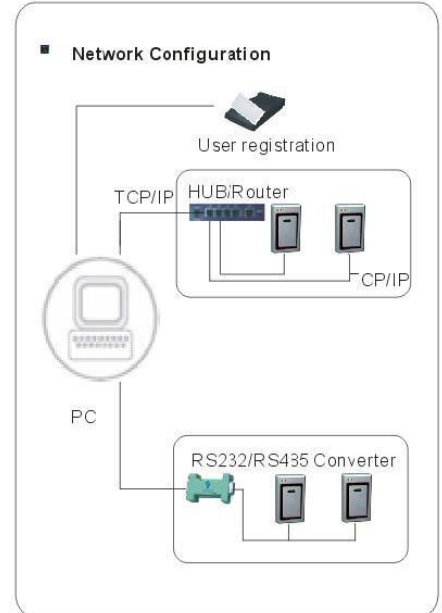
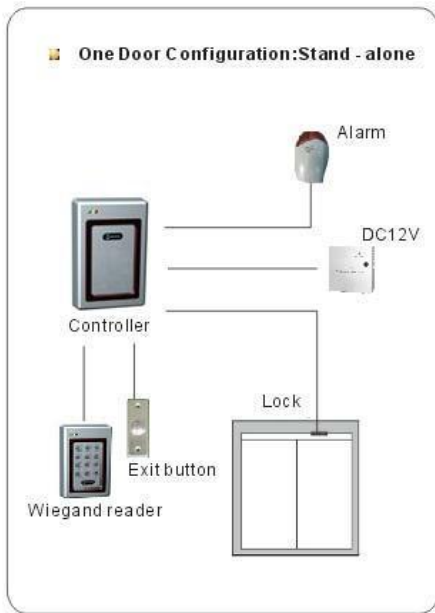
EL500-X-1F
EL500T-X-1F
120*75*22mm

Specifications

Model	EL500(T)-X-XX
Supporting card	EM125kHz technology
Power Supply	9V DC (9-24V), <150mA
Cardholder	512, including one master card
Events	1,000 records with real time clock (RTC) (EL500T-X-XX)
Stand alone	Yes
Network	Yes, via RS485 (up to 98 units) or build-in TCP/IP
Communication	9600-115200 bit/s (default 9600)
APB	External Wiegand 26 reader
Operation Mode	Card, Card + Pin, Pin
Memory	32K Byte EEPROM
Alarm	1) Door non-closed detection 2) Housing sabotage alarm 3) Door broken alarm 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	50mm (depending on transponder)
Indicators	Buzzer and LED
Housing	Zn-Fe alloy for EL500(T)-X-0/1F
Indoor / outdoor	Both, potted version (IP65) available on request
Temperature	-20°C ~ +60°C / -4°F ~ +140°F
Relative	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
- Testing Cards
- RS232 / RS485 converter



Relative Hardware

- EL500-X-XX can register a few number cards on stand-alone application, and professional desktop reader EL200-U is required for card batch issuing on stand-alone or network application.
- Full range of cards and tags available to meet complete solution.