

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.

Several kinds of software platform is available by ELKO application software or SDK via COM (Component Object Model) interface for customer's further development in short time.

SDK	Available for customer's further application development
Easy Tool	Medial development software for access control + time attendance solution It's easy to integrate into users' software and save user much development time and effort
EasyAccess_Office	Ready to use Access Control software for small system with Access database
EasyAccess_Office_Net	Ready to use Access Control software for small system with SQL database
EasyDo_Office	Ready to use Access Control + Time Attendance software for small system with SQL database

➤ **The family members are:**

Access Control

EL500-X-0C	Economic access control system, EM125kHz technology
EL500-X-1C	Economic access control system, EM125kHz technology, with keypad
EL500-X-0D	Mullion mount economic access control system, EM125kHz technology
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

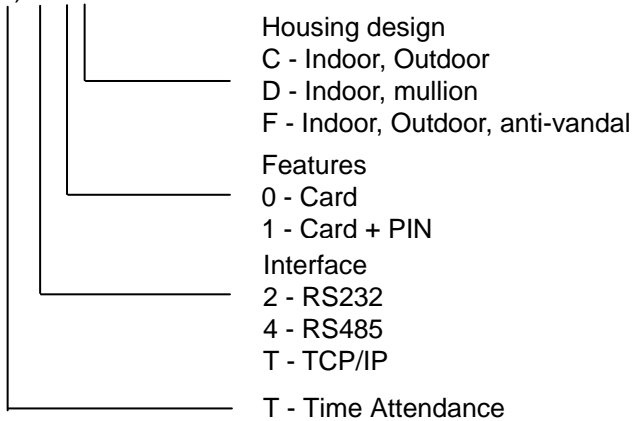
EL500T-X-0C	Dual access control + time attendance system, EM125kHz technology
EL500T-X-1C	Dual access control + time attendance system, EM125kHz technology, with keypad
EL500T-X-0D	Mullion mount dual access control + time attendance system, EM125kHz technology
EL500T-X-0F	Anti-vandal Dual access control + 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
- ✚ External reader for anti-passing (Wiegand port)
- ✚ Housing sabotage alarm
- ✚ 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 [EL500(T) -X-1C]
- ✚ Self diagnostics
- ✚ Watch-dog timer & power on reset
- ✚ Duress alarm in case of emergency

Order Code

EL500(T)-X-XX



Wall Mount reader

EL500-X-0C
EL500T-X-0C
126*68*19mm



Wall Mount reader with keypad

EL500-X-1C
EL500T-X-1C
126*68*19mm



Mullion Mount reader

EL500-X-0D
EL500T-X-0D
44*118*20mm



Anti-Vandal Wall Mount reader

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



Anti-Vandal Wall Mount reader with keypad

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 distance	50mm (depending on transponder)
Indicators	Buzzer and LED
Housing Material	PC for EL500(T)-X-0D, Zn-Fe alloy for EL500(T)-X-0/1F, others ABS
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.

Relative Products

- ✧ EL500(T) -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

Hardware Testing Package (HTP)

A plug & play Hardware Testing Package (HTP) is provided to ease your fast testing and evaluation. For EL500(T)-X-XX, the package name is HTP1; the package is listed as the table below. (item different according to part no. of products)

Item List	Photo	Qty
Testing Board		1
Power supplier		1
RS232 cable		1
Wire		4
Testing Cards		2~8
RS232 / RS485 convector		1

Configuration

