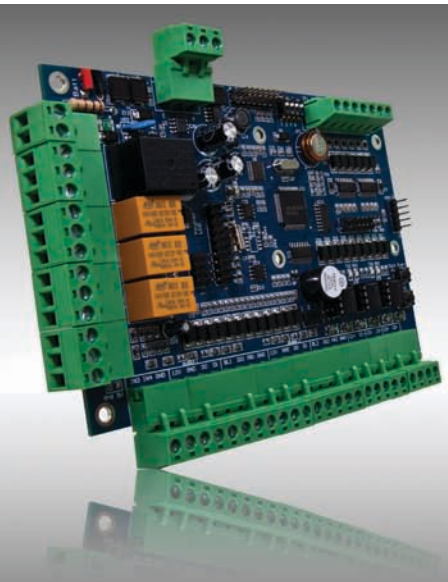
# AxSys EL-2000 Access Control Series

Th!nk Security

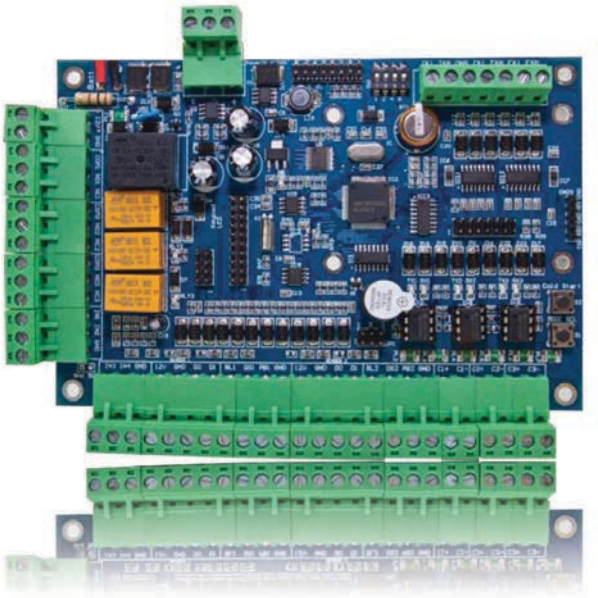
www.elock2u.net



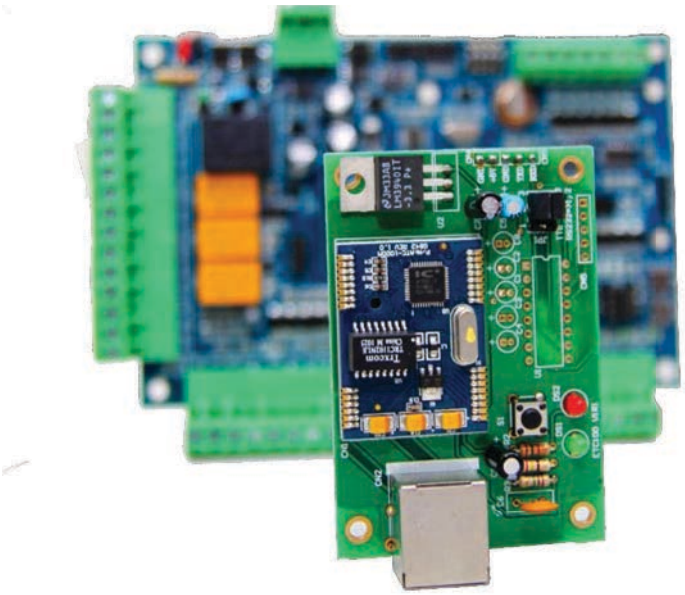
## EL- 2000

### Features

- Support up to 5,000 card users and expanded to 15,000
- Support up to 10,000 off-line transaction events and expanded to 30,000
- Support 2 wiegand interface card reader inputs
- Support integrated keypad reader (Rosslare, HID)
- Support up to 10 sets of facility code definition
- Support up to 128 sets of time interval, time zone and access level definition
- Definable bits setting on wiegand reader inputs
- Door exit push button with Time zone controls
- On board buzzer for audible sound alert and on board real time clock to maintain accuracy of system date time.
- LED and Buzzer controls on standard wiegand interface reader
- Definable controller operation mode (1-door with In & out reader, 2-doors with In reader & Exit Button, 2 doors emergency control/monitoring)
- Definable door access operation mode (Pin only, Card only, Card + Pin)
- Global antipassback among 16 doors
- Antipassback function with time zone controls
- Interlocking function with time zone controls (2-doors mode)
- 10 sets of local access pin number with time zone controls
- Local programming via LCD & Keypad inputs
- Card user expiry date checking
- PC host connection via RS232/RS485 or TCP/IP linkage
- Automatic antipassback resetting schedule
- Time attendance processing with multiple shift assignment (non-overnight)
- Time attendance reporting with overtime, lunch break and work hour calculation
- Build in data importing and exporting tools
- Data downloading and data uploading function
- Auto time synchronization from PC time to controller
- Support Duress Alarm processing
- Buddy mode (Dual card mode)
- Remote door security ON/OFF commands
- Support fire alarm signal inputs



| Specification | |
|---|---|
| Micro Processor | 16 bits MCU |
| Operating Voltage | VDC 9.0 - VDC 14.0 |
| Operating Currents | 500mA |
| Operating Temperature | 60°C |
| Operating Humidity | 95% non condensing |
| Operating Frequency | 24Mhz |
| Flash Memory | 8MB Flash Memory, 512KB RAM |
| Communication Port | 1 unit of TCP/IP Ethernet port, 2 units of RS232/RS485 serial |
| Communication Link | RS232, RS485 or TCP/IP |
| Timer & CLock | Onboard battery backup real time clock |
| Audible | Onboard 12Vdc magnetic buzzer |
| Output Point | 3 units of FORM-C 1A relay contact |
| Input Point | 8 units of TTL inputs |
| External display connection | 2x20 characters with backlit display |
| External keypad connection | 4x4 matrix keypad input |
| Terminal block | Pluggable connector block |
| Input Point Protection | 15KVA surges protection |
| Serial Port Protection | Embedded with resetable fuses, TVS on communication circuitry |
| Status Indication | LED indication for Power/Relay/Communication points |
| Watchdog reset | Equipped with internal and external watchdog reset circuitry |
| Power On reset | Equipped with 4.7Vdc triggering threshold voltage level |
| PCB Dimension | 155 mm (W) x 95 mm (H) |
| Net-speed | Ethernet 10/100Mbps (IEEE 802.3 compliant) |



| Specification | |
|---|---|
| Configuration Option | Web Console |
| Ethernet Interface | Number of Port: 1 |
| | Speed: 10/100Mbps |
| | Connector: RJ45 |
| | Network Operation Mode: TCP Server, TCP Client, UDP |
| Serial Interface | Number of Port: 1 |
| | Serial Standard: RS 232/TTL |
| | TTL Signal: RxD, TxD, GND |
| | RS232: RxD, TxD, GND |
| Serial Communication Parameter | Data , Bit: 5, 6, 7, 8 |
| | Stop Bit: 1 (default), 2 |
| | Parity: None (default), Even, Odd |
| | Flow Control: None |
| | Baudrate: 300bps to 230400bps |
| Form Factor | Dimension: 78.0 x 51.0 mm |
| | Weight: 28g |
| Power Requirement | Input Voltage: 5Vdc |
| | Power Consumption: 350mA @ 5 Vdc |
| Reliability | Automatic Reboot Triggger |
| | (Built-In Watchdog Timer) |
| Environment Limit | Operating Temperature: 0°C to +70°C |
| PCB Dimension | Storage Temperature: -20°C to +85°C |

| Ordering Information | |
|---|---|
| DA-EL2000-TT | AxSys EL-2000 Access Control Module |
| DA-IP200-TT | AxSys IP200 Serial to Ethernet Device |