Overview :

ELOCK AxSys EL-2000 is a multi door access control system. AxSys EL-2000 controller designed for easy setup & configure as single door with IN & OUT reader connection, Two doors with reader as IN and exit push button as OUT, Two door emergency/fire controls. AxSys EL-2000 controller is designed base on open platform concept, It allow seamless integration with RFID proximity readers, Mifare Smart Card readers, Integrated Keypad readers and Biometric readers.

This door access control system designed to communicate via TCP/IP connection, RS485 or RS232 connection. AxSys, the management Software allows system user to manage card user database, allow access level, maintenance database, time attendance reporting and monitoring card user transaction events.

Features :

- ✓ Support up to 10,000 card users
- ✓ Support up to 30,000 off-line transaction events
- ✓ Support 2 Wiegand access 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
- ✓ Support bits setting on Wiegand reader inputs
- ✓ Door exit push button with Time zone controls
- ✓ On board buzzer for audible sound alert and real time clock to maintain accuracy of system date time
- ✓ LED and Buzzer controls on standard Wiegand interface reader
- ✓ Support controller operation mode (1-door with In & out reader, 2-doors with In reader & Exit Button, 2 doors emergency control/monitoring)
- ✓ Support door access operation mode (Pin only, Card only, Card + Pin)
- ✓ 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
- ✓ 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

EL-2000 Specification :		
1	Micro Processor	16 bits MCU
2	Operating Voltage	VDC 9.0 ~ VDC 14.0
3	Operating Currents	500mA
4	Operating Temperature	60^0C
5	Operating Humidity	95% Non Condensing
6	Operating Frequency	24MHz
7	Flash Memory	8MB Flash Memory, 512KB RAM
8	Communication Port	1 Unit of TCP/IP Ethernet Port 2 Units of RS232/RS485 Terminal
9	Communication Link	RS232, RS485 or TCP/IP
10	Timer & Clock	Onboard Battery Backup Real Time Clock
11	Audible	Onboard 12Vdc Magnetic Buzzer
12	Output Point	3 Units of FORM-C 3A Relay Contact
13	Input Point	4 TTL Inputs for Door Sensor & Push Button 2 TTL Inputs for Car Parking Sensor Loop
14	External Display Connection	2x20 Characters With Backlit Display
15	External Keypad Connection	4x4 Matrix Keypad Input
16	Terminal Clock	Pluggable Connector Block
17	Input Point Protection	15KVA Surges Protection
18	Serial Port Protection	Embedded With Resettable Fused TVS On Communication Circuitry
19	Status Indication	LED Indication for Power/Relay/Communication Points
20	Watchdog Reset	Equipped with Internal and External Watchdog Reset Circuitry
21	Power On Reset	Equipped With 4.7Vdc Triggering Threshold Voltage Level
22	PCB Dimension	155 mm (W) x 95 mm (H)
23	Net-Speed	Ethernet 10/100Mbps (IEEE 802.3 Compliant)

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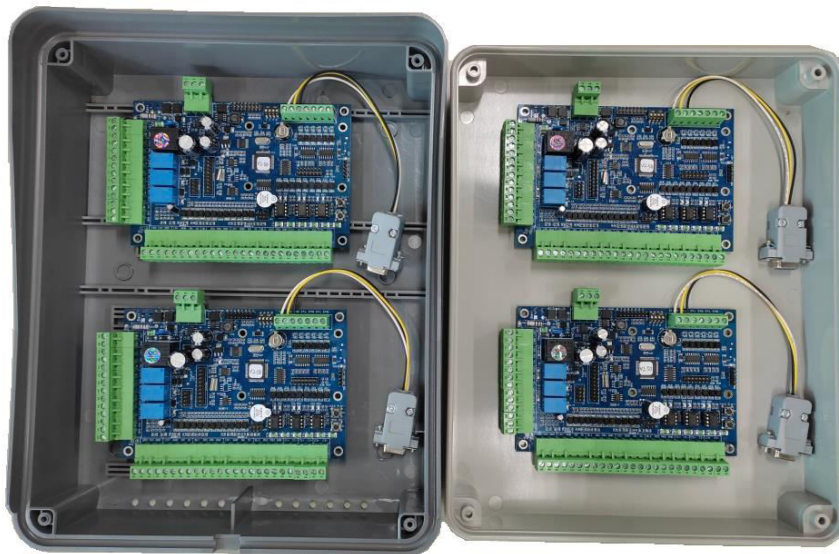WEB   www.elock2u.net
EMAIL   enquiry@elock2u.net

AxSys IP200 Serial to Ethernet Device for EL-2000 Board:

Overview :

ELOCK IP200 Serial-to-Ethernet device designed for manufacturers who want to add sophisticated network connectivity to their serial device. ELOCK IP200 Serial-to-Ethernet device can be use to convert any device with a standard serial interface to an Ethernet device in no time. The IP200 Serial-to-Ethernet support 10/100Mbps Ethernet and support ready to use operation mode, including TCP server, TCP client and UDP server.

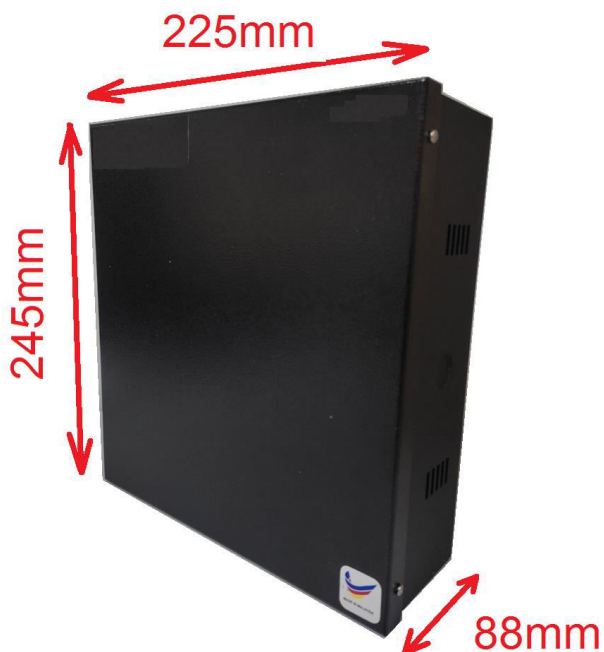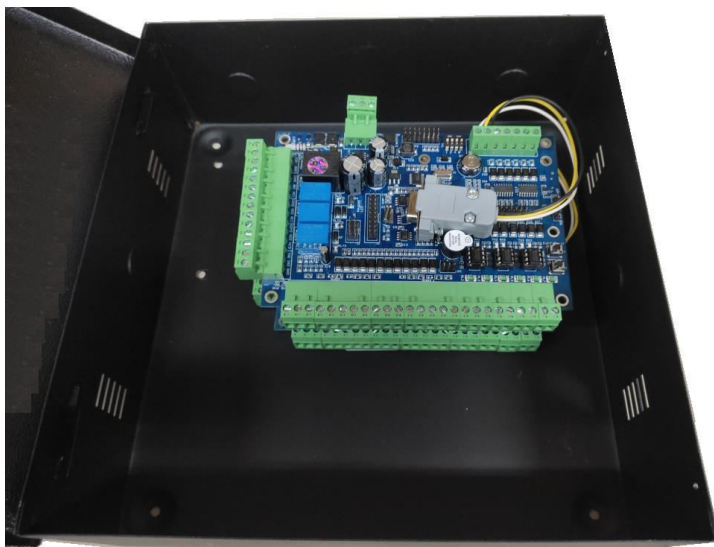| IP200 Specification :		
1	Configuration Option	Web Console
2	Ethernet Interface	Number of Port : 1 Speed : 10/100Mbps Connector : RJ45 Network Operation Mode : TCP Server/TCP Client/UDP
3	Serial Interface	Number of Port : 1 Serial Standard : RS232/TTL TTL Signal : RxD, TxD, GND RS232 : RxD, TxD, GND
4	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
5	PCB Dimension	Dimension : 78 mm x 51 mm Weight : 28g
6	Power Requirement	Input Voltage : 5Vdc Power Consumption : 350mA @ 5Vdc
7	Reliability	Automatic Reboot Trigger (Built-In Watchdog Timer)
8	Environment Limit	Operating Temperature : 0ºC to +70ºC Storage Temperature : -20ºC to +85ºC

EL-2000PVC AxSys Access Control Board C/W PVC Enclosure :

1. PVC housing for EL-2000 door access controller
2. Maximum can fit in 4 controller boards.
3. Dimension : 260 (W) x 300 (H) x 105 (D) mm

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EL-2000MC AxSys Access Control Board C/W Metal Enclosure :

1. **Metal housing for EL-2000 door access controller**
2. **Maximum can fit in 2 controller boards (stacking)**
3. **Dimension : 225 (W) x 245 (H) x 88 (D) mm**

225mm

245mm

88mm

Ordering Information :	
EL-2000R	AxSys - Access Control Board Only
EL-2000PVC	AxSys - Access Control Board C/W PVC Enclosure
EL-2000MC	AxSys - Access Control Board C/W Metal Enclosure
EL-2000L	AxSys - Lift Access Control Board Only (5th Floor Control)
EL-2100L	AxSys - Lift Access Control Board Only (64th Floor Control)
IP200	Elock IP200 Serial to Ethernet Device (Built-In Type)
EL-8PL	8 ports - lift interface module w/o PSU & Casing (use with EL-2100L)
EL-TCPIP-100	MOXA Network Interface Unit (Serial Device Server) c/w Power Adaptor