

EL5000



EL5000 Networked Controller

The EL5000 Multi-function Integrated Networked Controller by ELID serves as the core access control engine for Matrix V system. The EL5000 provides power, performance, and flexibility for the most demanding applications. Multiple combinations of Input/Output Field Devices, Card Reader Interface Units and local Input/Output modules can be connected.

The EL5000 can communicate upstream with server host via Ethernet TCP/IP networks. The controller can store up to 33,000 cardholders and 23,000 reader transactions. The EL5000 can have two downstream 2-wire RS-485 channels. You may connect up to 8 reader interface units for up to 8 ENTRY and 8 EXIT readers, and 8 EFD80 for field alarm monitoring and control. Similarly, the EL 5000 can connect up to 8 EA5168 via ribbon cable as an on-board expansion for I/O monitoring

Features and Functionality

- Host communications - Ethernet TCP/IP, or ADSL modem with Dynamic DNS support
- 5VDC / 1A input power
- Multi-function, configurable for either Card access, Lift control, Carpark control, Time clock or Mixed Mode
- Enhanced anti-passback capabilities
- 40 holidays
- 99 timezones, with 99 timers, each with 4 time intervals
- Escorting dual-card mode for high security door
- Special Card capability to arm and disarm sensors
- Lift control, support for 64 floors
- 2 MB on-board memory (Up to 33,000 cardholders and 23,000 transactions)
- Status LEDs for DC Power, Database Health, CPU heartbeat, Ethernet and RS485 communication
- Dedicated inputs for tamper, battery low and AC power failure status
- Advanced Encryption Standard 128-bit secured communication algorithm

EL5000 Network Controller

Model	EL5000
Manufacturer	ELID Sdn Bhd
Country of Origin	Malaysia
Microprocessor	32-bit 386EX running at 25 Mhz
Card Users	33,000 local
Transactions	23,000 local
Memory	2MB RAM
Modes of Operation	Card, PIN & Card + PIN
Standalone Operation	YES
Real-Time Scanning	YES
Tamper Detection	YES
Display	2 x 20 alphanumeric

EL5000

EL5000 Network Controller

Connectivity	TCP / IP, RS485
No of RS485 BUS	2
Access Applications	Door, Car Park Access, Time Clocking
Max. Doors Supported	8 Doors
Type of Readers Supported	Barcode, Magnetic, Proximity, Smart Cards, Biometrics, Touch Memory
Max. Readers Supported	16 (8 IN and 8 Out Readers)
Max. RIU Supported	4 units of ER505 2-Door Reader Interface unit (RIU) or 8 units of ER504 1-door RIU
Max. EFD Supported	8 units of EFD 80 Electronic Field Device
Max. I / O Modules	8 units of EA5168 I / O Module
Operating Temperature	0°C to 60°C
Humidity	10% to 90% non-condensing
Power Requirements	5VDC / 12VDC with 3 Amp Charger
Casing Dimensions	410 (H) x 400 (L) x 120 (W) mm
Approximate Weight	7 kg with casing and Power Supply
Approximate Weight	600gm without casing and Power Supply

