

EL5030



EL5030 Networked Controller

The EL5030 is a new 5-door Networked Door Access Controller introduced by ELID to serve as the low-cost family member for the IP-based Matrix V Integrated Security System. The EL5030 provides power, performance, flexibility and yet affordability. The EL5030 can communicate upstream with server host via Ethernet TCP/IP network. The EL5030 has a single downstream 2-wire RS-485 bus. You may connect up to four ER62 reader interface modules of 5 ENTRY and 5 EXIT card readers. Each ER62 reader interface modules also provides on-board 4 sensor inputs and 6 transistor outputs. The controller can store up to 4,000 cardholders and holds 10,000 transactions in case the communication is disrupted with the server host.

Features and Functionality

- Host communications - Ethernet TCP/IP, or ADSL modem/router with Dynamic DNS support
- 12VDC / 1.5A input power requirement with single CR2032 Lithium battery cell for data-backup
- 32-bit low-power and high-performance microprocessor
- 1 channel RS-485 communication bus
- Multi-function, configurable as either Standard card access, Car-park control or Time-clock Mixed Mode
- Enhances anti-passback capabilities (hard/soft/alarm)
- 40 holidays set,
- 10 timezones, with 24 timers, each with 2 time intervals
- 1MB on-board memory (up to 4000 cardholders and 10,000 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

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Model	EL5030
Manufacturer	ELID Sdn Bhd
Country of Origin	Malaysia
Microprocessor	32-bit 386EX running at 25 MHz
Card Users	4000
Transactions	10000
Memory	1MB RAM
Access Modes	Card, PIN & Card + PIN
Standalone Operation	YES
Real-Time Scanning	YES
Tamper Detection	YES
Display	N/A

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Connectivity	TCP / IP, RS485
No of RS485 BUS	1
Access Applications	Door, Car Park Access, Time Clocking
Max. Doors Supported	5
Type of Readers Supported	Barcode, Magnetic, Proximity, Smart Cards, Biometrics, Touch Memory
Max. Readers Supported	10 (5 IN and 5 Out Readers)
Max. RIM Supported	5 units of ER62 RIM (Reader Interface Module)
Max. EFD Supported	N/A
Max. I / O Modules	N/A
Operating Temperature	0°C to 60°C
Humidity	10% to 90% non-condensing
Power Requirements	12VDC with 1.5 Amp Charger
Access Applications	Door, Car Park Access, Time Clocking
Casing Dimensions	410 (H) x 400 (L) x 120 (W) mm
Approximate Weight	5kg with Casing and Power Supply
Approximate Weight	600gm without Casing and Power Supply