

# EL5002



## EL5002 Networked Controller

The EL5002 Multi-function Integrated Networked Controller by ELID serves as the core access control engine for Matrix V system. The EL5002 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 EL5002 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. Built in to the EL5002 is a Reader Interface Units, from which you may connect to 2 portals that are in close proximity to the EL5002. Each of these portals may have 1 ENTRY and 1 EXIT reader.

The EL5002 has one downstream 2-wire RS-485 channels on which you may connect up to 8 input and output field devices. Each device uses one device address.

## 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, 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
- 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

## EL5002 Network Controller

Model	EL5002
Manufacturer	ELID Sdn Bhd
Country of Origin	Malaysia
Microprocessor	32-bit 386EX running at 20 Mhz
Card Users	33,000 local
Transactions	23,000 local
Memory	2MB RAM
Access Modes Supported	Card, PIN & Card + PIN
Standalone Operation	YES
Real-Time Scanning	YES
Tamper Detection	YES
Onboard Display	2 x 20 alphanumeric
Connectivity	TCP / IP, RS485

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No of RS485 BUS	1
Onboard I / O	2 Input Points / 1 Output Point
Max. Doors Supported	2 Doors
Type of Readers Supported	Barcode, Magnetic, Proximity, Smart Cards, Biometrics, Touch Memory
Max. Readers Supported	4 (2 IN and 2 Out Readers)
Access Applications	Door, Car Park Access, Time Clocking
Max. EFD Supported	8 units of EFD 80 Electronic Field Device
Max. I / O Modules	8 units of EA5168 I / O Module
Operating Temperature	-8°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	1.2 kg without casing and Power Supply
EA8 I / O Capacity	2 units of EA8

