

EL5004



EL5004 Networked Controller

The EL5004 Multi-function Integrated Networked Controller by ELID serves as the core access control engine for Matrix V system. The EL5004 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 EL5004 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 EL5004 is a Reader Interface Units, from which you may connect to 2 portals that are in close proximity to the EL5004. Each of these portals may have 1 ENTRY and 1 EXIT reader.

The EL5004 has 2 downstream 2-wire RS-485 channels. On the first RS485 channel you may connect up to 2 additional reader interface units for 2 ENTRY and EXIT readers. On the 2nd RS-485 channel 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

EL5004 Network Controller

Model	EL5004
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	Card, PIN & Card + PIN
Standalone Operation	YES
Real-Time Scanning	YES
Tamper Detection	YES
Display	2 x 20 alphanumeric

EL5004

EL5004 Network Controller

Connectivity	TCP / IP, RS485
No of RS485 BUS	1
Onboard I / O	2 Inputs / 1 Output Point
Max. Doors Supported	4 Doors
Type of Readers Supported	Barcode, Magnetic, Proximity, Smart Cards, Biometrics, Touch Memory
Max. Readers Supported	8 (4 IN and 4 Out Readers)
Max. RIU Supported	1 units of ER505 2-Door Reader Interface Unit (RIU) or 2 units of ER504 1-Door RIU or 2 units of ER502 1-Door RIU
EA8 I / O capacity	2 units of EA8
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
Access Applications	Door, Car Park Access, Time Clocking
Casing Dimensions	410 (H) x 400 (L) x 120 (W)
Approximate Weight	7kg with Casing and Power Supply
Approximate Weight	1.2kg without Casing and Power Supply

