

## Network Controller LX-SEC-V1000

The Network Controller LX-SEC-V1000 is the TCP/IP interface for server connectivity and access control processing for up to 32 interface panels. The LX-SEC-V1000 boasts a 32-bit RISC processor running the Linux Operating System. On-board flash memory allows program updates to be downloaded via the network. The LX-SEC-V1000 connects up to 32 Door/Reader, Input Monitor, or Output Control Interface Panels via two independent RS-485 networks, each network having two sets of input connections for optimum system topology. This architecture minimizes the impact on corporate LANs by using only one TCP/IP address for every 32 interfaces, and by handling low-level transactions on the RS-485 network.

### Easily Interfaced

- RJ-45 connector for Ethernet TCP/IP
- Quick-disconnect screw terminal connectors:
  - Four RS-485 connections to interfaces
  - 2 supervised analog inputs for general purpose applications
  - 2 non-latching output relays for local alarm annunciation (rated 2A @ 30 VDC)
  - DC Power input
  - Tamper input\*
  - AC Power Fail input\*
  - Battery Fail input\*

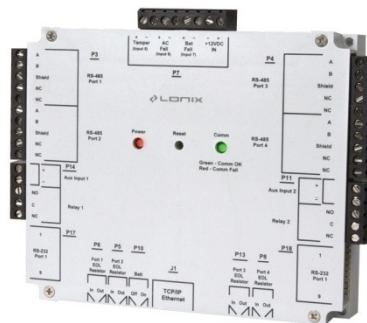
\* Can be configured as a general purpose input

### Local Processing

The access control system interfaces with combinations of devices with a maximum of:

- 32 Door/Reader Interface Panels (up to 64 doors/readers) or
- 32 Input Monitor Interface Panels 9 (up to 512 monitor points) or
- 32 Output Control Interface Panels (up to 384 control relays)

- Complete access control database for up to 32 Interface Panels and 44,000 cardholders, expanding up to 250,000 cardholders
- Supervised inputs/alarms with 255 priorities
- TCP/IP network connectivity
- Processes real time commands from the User Interface application
- Controls and communicates with all connected devices
- Event buffers for offline transactions
- Fallback communications via dialup or RF modem



### Technical Data

Dimensions:	147.32 mm x 122.55 mm x 32.38 mm
Enclosure Material:	UL94 Polycarbonate
Operating Environment:	Temperature 0° to 50°C, Humidity 5% to 95% relative (non-condensing)
Mounting:	Mount to any wall surface, using four screws. The unit should be installed indoors, inside a secure area, such as in an IT or telecommunications room, utility closet or on a wall above a suspended ceiling. For UL compliance, one or more interfaces can be mounted inside a NEMA-4 rated enclosure.
Power Supply Requirements:	140 mA @ 12-18 VDC Recommended: Supervised linear power supply with battery backup, input surge protection, and supply fail and battery low contact outputs. Separate supervised DC supplies with battery back-up recommended for relay activated devices.
Communications Ports:	RS-485 – two wire, TCP-IP – one port (10 or 100 Mbps)
Visual Indicators:	Power LED indicates that sufficient DC voltage is being provided to the unit. RS-485 Communications LED: solid green indicates successful communications to downstream devices, red flash indicates a failed communications attempt, solid red indicates no communications.
Processor:	32-bit RISC CPU, 100 MHz
Memory:	<ul style="list-style-type: none"> <li>• 8 MB onboard Flash memory</li> <li>• 16 MB / 32 MB memory expansions available</li> <li>• 32 MB SDRAM</li> <li>• 256k SRAM</li> </ul>
Certifications:	UL 294 and UL 1076 Recognized Component for the US, CSA 205 for Canada FCC Class A Verification EMC for Canada, EU (CE Mark), Australia (C-Tick Mark), New Zealand, Japan EN 50130-4 Access Control Systems Immunity for the EU (CE Mark)