

Door/Reader Interface Panel LX-SEC-V100

The Door/Reader Interface Panel LX-SEC-V100 connects two access control card readers via Wiegand interface, controlling one or two doors. The LX-SEC-V100 features on-board flash memory, allowing program updates to be downloaded via the network.

The LX-SEC-V100 connects to the LX-SEC-V1000 through a high speed RS-485 network. The LX-SEC-V1000, in turn, communicates with the system host via industry standard TCP/IP protocol over 10/100 Mbps Ethernet or the Internet. 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.

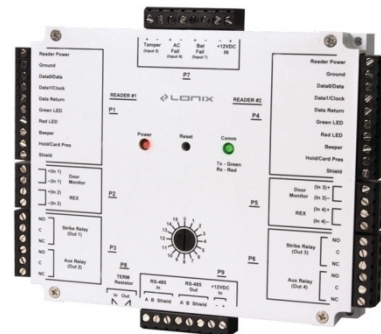
Easily Interfaced

- Quick-disconnect screw terminal connectors
- Rotary address switch (0-15)
- Inputs for:
 - 2 readers
 - 2 door monitor switches,
 - 2 Request-to-Exit switches
 - AC Fail Monitor*
 - Battery Fail Monitor*
 - Enclosure Tamper*
- * Can be configured as a general purpose input
- Non-latching relay outputs (2 A @ 30 VDC):
 - 2 door strikes (configurable)
 - 2 auxiliary devices: door held/forced alarm, alarm shunt, host off-line (comms down), or general purpose

Local Processing

- Alarm shunt and strike relay timing and latching functions
- Access control decisions based on facility code (degraded mode)
- Basic input/output linking
- LED/beeper control during card + PIN, scheduled unlock, and other transactions

- Reports supervised inputs
- Connects to the Network Controller LX-SEC-V1000 via RS-485
- Processes real time commands received from the Network Controller
- Reports all activity to the Network Controller LX-SEC-V1000
- Attractive polycarbonate enclosure protects components from damage
- All connections and indicators are fully identified by silk-screened nomenclature on the cover
- Processes off-line access control decisions based on facility code
- UL 294 and UL 1076 recognized components



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:	60 mA @ 9-18 VDC (with no readers connected) 600 mA @ 9-18 VDC (with to readers connected, max 500mA/reader) 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 door locking or relay activated devices.
Communications Ports:	RS-485 – two wire. Two SIA standard Wiegand/Clock-and-Data ports
Visual Indicators:	Communications LED flashes green for “transmit to host” and red for “receive from host.” Power LED indicates that sufficient DC voltage is being provided to the unit.
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)