Door Controller with Integrated Reader LX-SEC-ER40

The LX-SEC-ER40 is a unique iCLASS reader with an IP-enabled intelligent access control processor and host interface solution in a single unit.

The LX-SEC-ER40 provides a complete and full-featured access control hardware / software infrastructure and contactless smart card read / write capability. It is a perfect solution for new building installations which requires less wiring and controls every control function at the door.

The LX-SEC-ER40 is ideally suited for today's IT-centric security environment, addressing the requirements for an IP-based solution incorporating PoE (Power over Ethernet) capability.

Easily Interfaced

LX-SEC-ER40 has an RJ-45 connector for Ethernet TCP/IP connections and an additional RS-232 serial port for optional modem or connectivity to other systems. External System Link capability allows for direct integration with other security and building systems.

The unit has inputs for a door monitor switch, a Request-to-Exit switch and enclosure tamper indication. Two additional inputs for AC and Battery Fail Monitors can be configured as general purpose inputs. LX-SEC-ER40 also features two non-latching relays for one door strike and an auxiliary device, such as alarm shunt.

- Stores up to 44,000 cards or credentials directly from the host
- 255 configurable priorities for supervised inputs/alarms
- Built-in 802.3af Power over Ethernet (PoE), with 600mA available for external devices
- Connects to host on the IP network
- Controls and powers all access devices at the door
- A buffer for 5000 transactions if communication is disrupted with host, uploads when network communication is restored
- Controls and reports any passback (hard/med/soft)
- RS-232 serial port for optional back-up via modem

Technical Data

Dimensions:	83.8 mm x 121.9 mm x 57.9 mm
Weight:	400 g, UL94 polycarbonate enclosure
Operating Environment:	Temperature 0° to 50°C, Humidity 5% to 95% relative (non-condensing)
Mounting:	Single-gang style electrical box
Power Supply Requirements:	1 A @ 12-16 VDC Recommended: Power is supplied using the Power over Ethernet technology available with PoE (802.3af) enabled network devices. Alternate: Supervised linear power supply with battery backup, input surge protection, and AC Fail and battery low contact outputs.
Communications Ports:	TCP/IP 10 or 100 Mbps, RS-232 port for modem or connectivity to other systems
Visual Indicators:	Two LEDs indicate power / network activity and I/O activity
Processor:	32-bit RISC CPU, 100 MHz
Memory:	• 8 MB onboard Flash memory • 32 MB SDRAM • 256k SRAM
Card Data Formats:	Supports any card data format up to 128 bits
Certifications:	UL 294 listed component, CSA205 for Canada, FCC Class A Verification, ICES-0003 Canada, EU, Australia, New Zealand

LONIX LTD
Teollisuuskatu 33, FI-00510 Helsinki, Finland
Tel: +358 9 349 9853, Fax: +358 9 3499863