MAXxESS

netEDGE™

Single-Door Controller



The netEDGE™ is a high performance, single-door controller featuring a Linux operating system. The Linux operating system is embedded in the netEDGE and greatly enhances the reliability and capability of the security management system. In addition, it provides several features to improve system performance in any size application.

Because the netEDGE utilizes Power over Ethernet (PoE), separate power supplies and multi-door controllers are no longer needed. When utilizing PoE for the controllers, readers, lock and REX power, a reduction in installation costs of at least 25% can be realized.

- Full operation of one access door over IP
- Unlimited access levels
- Thousands of unique schedules
- Up to 999 holidays

High-speed Data Communication

netEdge is an addition to the MAXxess family of IP products designed solely for Ethernet applications. The 100 Mbps Ethernet communications allows the system to quickly process data with no bottlenecks, all the way to the door.

Real-time Operating System

The Linux real-time operating system enhances the performance and response time of the information. The internal relational database makes it simple to perform diagnostics and troubleshooting.

MAXxess Software Enhances Performance of the netEDGE

MAXxess-developed ApeXX software provides peak performance for the netEDGE. ApeXX minimizes network traffic with incremental updates. Once the system is installed it will never need to download the entire cardholder database.

Revolutionary Features

ApeXX allows unlimited site codes, access levels and a twenty-digit (64 bit) badge number. The software has additional built-in features that include ADA/DDA special unlock by cardholder, a lock-down feature to secure in an emergency situation and user selectable PIN numbers, up to eight-digits.

Features

- *Optimizes eAXxess™ performance by providing local control of the panel network, including access levels, global I/O dependencies and local event buffering (10,000 events)*
- *Provides reliable access control communication between eAXxess host and the panel network via LAN/WAN*
- *Can utilize PoE devices*
- *Maintains all configuration information locally, even during extended power/communications outages*
- *Does not require separate door controllers*
- *Precision access/unlimited access levels*
- *Easily interfaced – no RS-485 wiring*
- *Prioritized alarm downloading*
- *Firmware conveniently flash upgradeable over network connection – no PROMs*
- *Easily installs in new or existing systems, supporting MAXxess enhanced communication protocol*
- *Supported on mixed systems with eRAM and RAMM*
- *Mounts in a single gang style electrical box*
- *One time event schedules*
- *Two badge rule*

Companion Products

- *eAXxess™ Security Management Software*
- *eRAM*
- *Input Module*
- *BUPS Power Supply*

netEDGE™ Single-Door Controller

Specifications

REQUIREMENTS

- *e*AXxess™ with MultiPort v4.4 or later

ELECTRICAL

- Power supply: 1 amp @ 12-16 VDC maximum

MECHANICAL

- Unit mounts to a single gang electrical box
- 3.3" W x 4.825" H x 2.3" D (83.8 mm x 121.9 mm x 57.9 mm)
- Weight: 14.7 oz. (.400 kg)

COMMUNICATION PORTS

- Ethernet – 10 OR 100 mbps

ENVIRONMENTAL

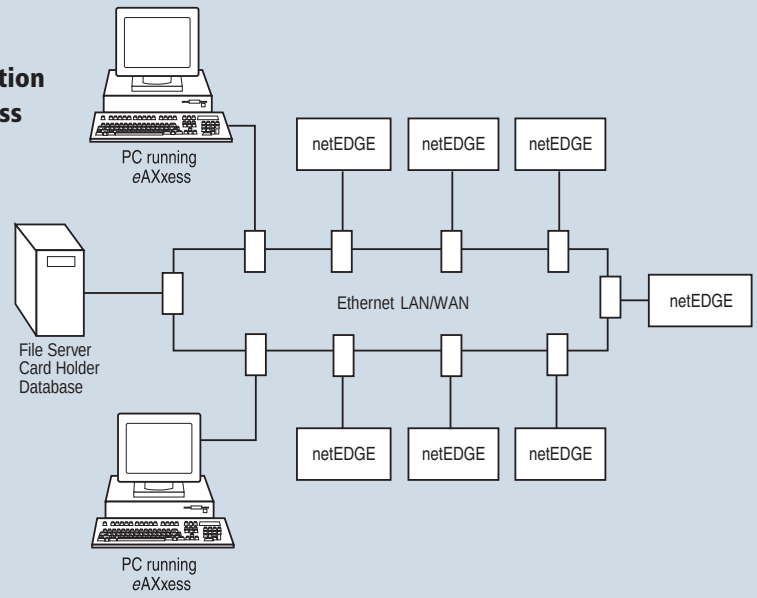
Temperature	32° to 122° F (0° to 50° C)
Humidity	5% to 95% relative, non-condensing

ACCESSORIES

- PoE device used to power netEDGE
- BUPS used to power netEDGE

netEDGE comes with a one-year limited warranty.

netEDGE LAN/WAN Configuration for *e*AXxess



Note: System supports mixed systems – RAMM, eRAM, netEDGE

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