netEDGE™ Plus

Single-Door Controller

The netEDGE™ Plus is a high performance, single-door controller featuring a Linux operating system. The Linux operating system is embedded in the controller 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 Plus 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 Plus is 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 controller
MAXXESS software provides peak performance for the controller. MAXXESS software minimizes network traffic with incremental updates. Once the system is installed it will never need to download the entire cardholder database.

Revolutionary Features
MAXXESS software 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

- *Provides 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*
- *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 other controllers*
- *One time event schedules*
- *Two badge rule*

Companion Products

- *MAXXESS Security Management Software*

netEDGE™ Plus Single-Door Controller

Specifications

REQUIREMENTS
- MAXXESS eFusion or eAXxess

ELECTRICAL
- Power supply: 1 amp @ 12-16 VDC max.

MECHANICAL
- Unit mounts to a single gang electrical box
- 3.3" W x 4.825" H x 1.5" D (83.8 mm x 121.9 mm x 36.3 mm)
- Weight: 6.8 oz. (.195 kg)

ENVIRONMENTAL
Temperature 32° to 122° F (0° to 50° C)

Humidity 5% to 95% relative, non-condensing

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

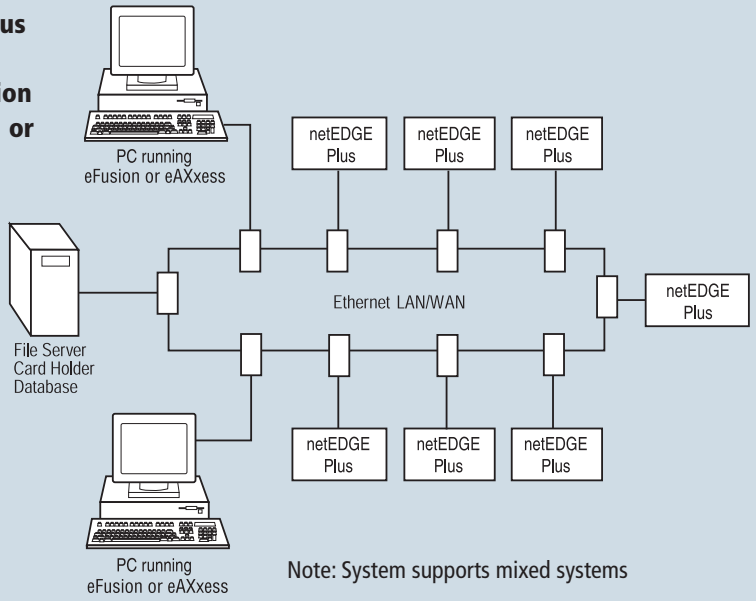
Comes with a 18 month limited warranty.

VISUAL INDICATORS
- System Activity LED
- Network Activity LED

COMMUNICATION PORTS AND CONNECTORS
- RJ-45 connector for Ethernet TCP/IP (10/100baseT)
- Weigand/Clock-and-Data reader data port
- Door Position input with programmable End of Line supervisory capability up to 6K ohm.
- Request to Exit (REX) input with programmable End of Line supervisory capability up to 6K ohm.
- Non-latching configurable door lock output relay
  - Unpowered (Dry) contact rated 2A @ 30VDC
  - Powered (Wet) contact rated for up to 600mA @ 12VDC (Note: The 600mA is shared between two relays)
- Non-latching auxiliary output relay
  - Unpowered (Dry) contact rated 2A @ 30VDC
  - Powered (Wet) contact rated for up to 600mA @ 12VDC (Note: The 600mA is shared between two relays)
- 12VDC Power input
- Tamper input (Can have a built-in additional external tamper)
- AC Power Fail input (Can be configured for general purpose use)
- Battery Fail input (Can be configured for general purpose use)

CABLE DISTANCES
- TCP/IP: 328 ft (100m) using CAT 5 cable
- Weigand: 500 ft using 9-conductor stranded, overall shielded 22AWG cable (Alpha 1299C)
- Input circuits: 500 ft using 2-conductor shielded 22AWG cable (Alpha 1292C) or 18AWG cable
- Output circuits: 500 ft using 2-conductor 22AWG cable or 18AWG cable

netEDGE Plus LAN/WAN Configuration for eFusion or eAXxess



Note: System supports mixed systems

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netEDGE Revised 1/10 Printed in USA