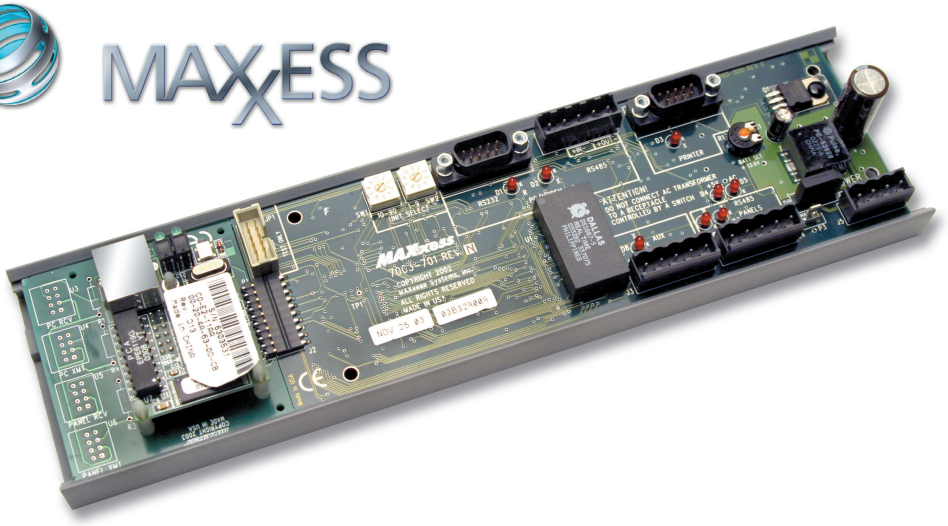
RAMM™

Remote Access Memory Module



Extends AXxess™ NS Software Capability

The Remote Access Memory Module™ (RAMM) is an add-on for the AXxess™ NS system that enhances panel performance in direct connect, dial-up and LAN/WAN operation. Reliability is improved in installations using RAMM and a local data bus by offloading many of the operations done by the AXxess NS computer. In addition, it provides several new features to improve system performance in larger systems.

The Remote Access Memory Module can handle the following access control functions:

- Full operation of dependencies, alarm zones, elevator floor control even if off-line
- Up to 410 sensors per RAMM
- Up to 100 alarm zones per RAMM
- Up to 1,000 access levels per RAMM
- Up to 2700 timed events
- Up to 256 schedules with 50 time intervals per RAMM
- Up to 200 input/output dependencies
- Up to 999 holidays with three types of holidays per RAMM
- Up to 5 elevators per RAMM

Reliability and Enhanced Capabilities

The Remote Access Memory Module adds many features to the BarLock™ system for use in stand-alone or high reliability situations. By offloading much of the configuration from the AXxess NS computer, overall system response is significantly improved. If the computer goes down, the system continues to operate without degradation. Inter-panel operations, such as input/output dependencies and global anti-passback continue to function.

Improved Throughput

All communication with the Remote Access Memory Module and the PC, whether directly connected or dial-up is at 38,400 baud with a large data block size. This results in transactions being sent to the PC significantly faster than directly connected panels, leaving more time for the computer to perform other tasks or communicate with other units.

Ethernet Interface Option

An Optional Ethernet interface provides connection to Barlock panels utilizing a local or wide area network. The interface uses standard 10-baseT connection to the network with field programmable IP address. The interface includes password protection, proprietary protocol and optional 128 bit data encryption for network security.

Elevator Control

The Remote Access Memory Module supports up to five elevators with up to 1,000 access level combinations. Operation is significantly faster than when relying on the computer to make the floor decisions.

Standard Features

- *Optimizes AXxess NS performance by providing local control of the BLP network, including access levels, global I/O dependencies, elevator floor control and local event buffering (10,000 events)*
- *Provides reliable access control communication between AXxess NS host and the BLP network via LAN/WAN, modem, RS-232, RS-485 or fiber optic networks*
- *Maintains all configuration information locally, even during extended power/c ommunications outages*
- *Each RAMM controls up to 10 BLPs, including global anti-passback with a 100,000 badge capacity*
- *Enhanced dial-up communications (up to 38,400 baud) allows one AXxess NS host PC to efficiently control multiple RAMM modules, each attached to a BLP network*
- *Prioritized alarm downloading*
- *Firmware conveniently flash upgradeable over network connection*
- *Easily installs in new or existing systems, supporting MAXxess enhanced communication protocol*
- *Mounts in a BLP enclosure*
- *UL Listed ALVY. BP6777*

Companion Products

- *AXxess NS, AXxess EXpress Security Management Software*
- *Barlock 200 Series Processors*
- *Input Module*
- *Enclosure Kit*
- *Can also be supported with the eAXxess family of software*

RAMM™ Remote Access Memory Module

Specifications

REQUIREMENTS

- BLP must be version 98-056 or later
- AXxess NS with multiramm v 3.06 or later

ELECTRICAL

- 16 volt/20VA transformer included (except export)
- 12 volt, 6 amp/hour battery required for 12 hour minimum backup operation
- Built in 12 volt float charger
- Low battery voltage dropout

MECHANICAL

- RAMM Circuit Board 8.52" H x 2.76" W x 1.7" D (216.41mm x 70.10mm x 43.18mm)
- Unit mounts on second DIN rail in existing BLP-200 enclosure or in its optional enclosure 14.3" H x 14.3" W x 3.6" D (363mm x 363mm x 92mm)

ENVIRONMENTAL

0°C to 50°C (32°F to 122°F)

ACCESSORIES

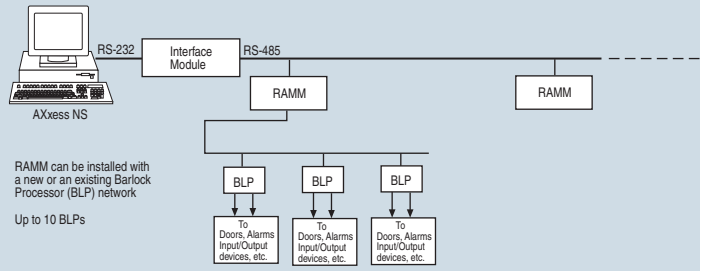
- 16 volt/ 20VA transformer (except export)
- 10' (3m) transformer to PCB power cable with 1' (.3m) battery cable (included)
- DIN mounting kit (included)

OPTIONS

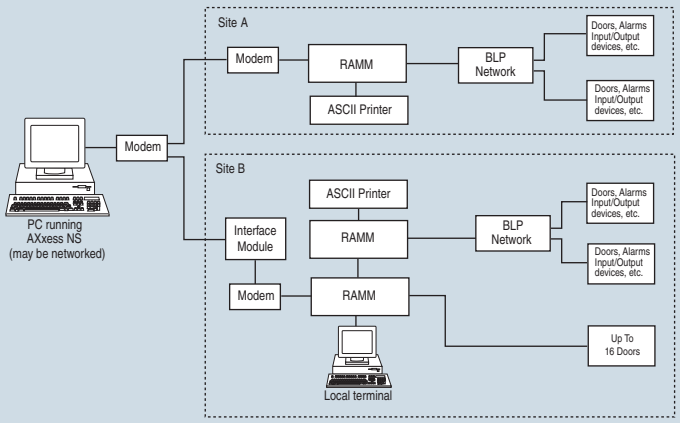
- Serial output cable for printer or terminal
- Fiber option module for interfacing to the computer or panels using fiber optics
- 10 MB Ethernet interface

RAMM comes with a two-year limited warranty.

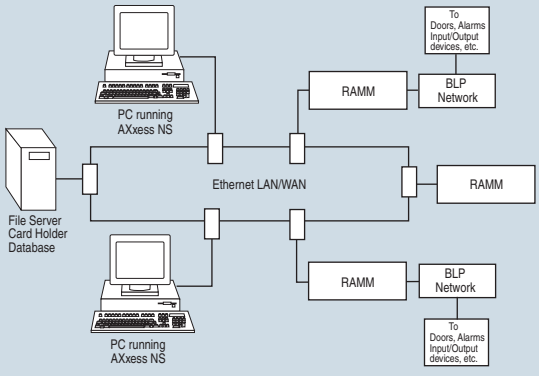
RAMM — RS-232/485 Configuration



RAMM — Modem Configuration



RAMM — LAN/WAN Configuration



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