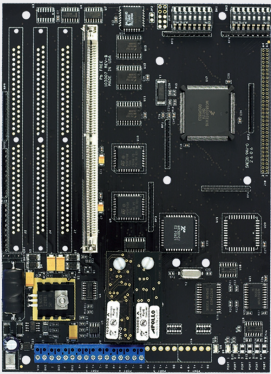# AAN-32
32 Reader Intelligent System Controller

- On-Board Memory up to 297,000 Cardholders/65,535 Events
- 32 Device Control (Readers, Alarm Panels, Status Panels)
- Up to 2 MB Memory
- Full Ethernet Connectivity to host and devices (with ENI-110/ANI-100)
- Internally Stored Functions (not reliant on external PC/software)
- Timed Card Activation/Deactivation
- 38 Access Levels per Card/255 Access Levels/Precision Access
- Support for PIV, TWIC and CAC readers

ACS Master Controller

Apollo's AAN-32 Intelligent System Controller provides reliable, robust access control and alarm monitoring for up to 32 devices (readers, alarm panels, status panels) with a memory capacity of up to 297,00 cardholders/65,535 events. Perfect for small and medium sized installations while not compromising on advanced features such as inter-device reactions (Internal Variables) that are stored within the controller's memory, operating without relying on a PC/software host. The AAN-32 is also ideally suited for remote sites for larger projects.
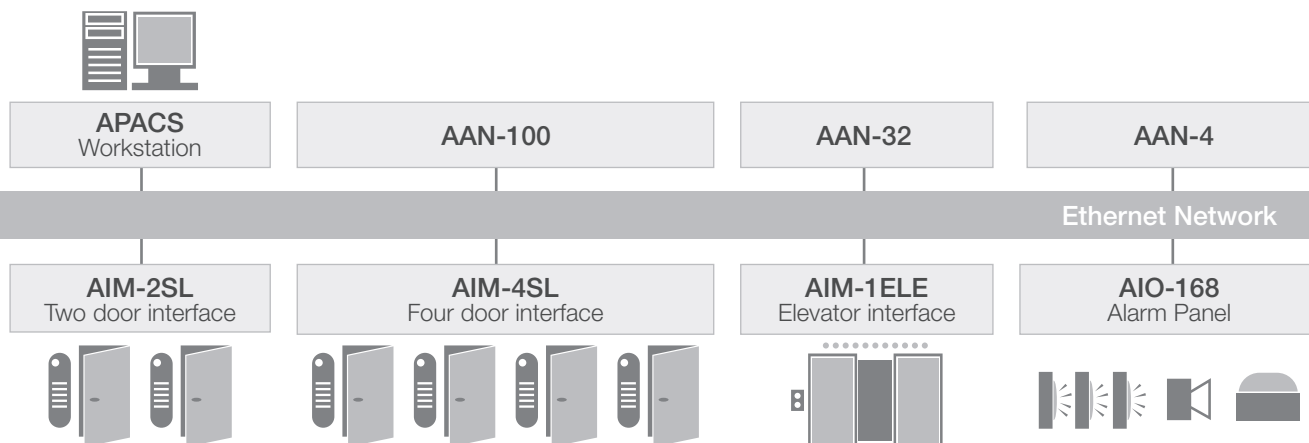
For fast loading of configuration/cardholder data and reporting of events, the AAN-32 can utilize RS-485, RS-232 or Ethernet communication with available 256-bit AES Rijndael encryption and dual-path communication. Communication to devices is routed through a device port that supports a RS-485, RS-232 or Ethernet communication, monitored by an on-board communication status LED.

The AAN-32 features robust advanced electronics technology to ensure long life with minimal failures making for ultimate security as well as lowering maintenance costs. Surface mount manufacturing technology, field replaceable communications modules and remote flashable firmware for controllers and attached devices take the worry out of your Access Control System.

Forming the base of a tri-level database redundancy system, the AAN-32 interacts with Apollo intelligent field hardware and Apollo's APACS software or as a developer integration platform, in every case providing a flawless platform for your security. These strengths have made the AAN Series controllers the standard for demanding sites such as nuclear power facilities, military installations and major corporations worldwide.

SYSTEM DIAGRAM
Apollo AAN System Overview

APACS Workstation	AAN-100	AAN-32	AAN-4

Ethernet Network

AIM-2SL Two door interface	AIM-4SL Four door interface	AIM-1ELE Elevator interface	AIO-168 Alarm Panel

SPECIFICATIONS

Power Requirements	: +12 to +28Vdc @ 400mA (with ANI)
Dimensions	: 7.5 in x 5.5 in x 1.0 in (19 x 14 x 2.54 cm)
Environment	: Operating Temperature: 0 to 70° C
Storage Temperature	: -40 to 85° C
Relative Humidity	: 0 to 95%, non-condensing
Weight	: 1 Lb (.45 Kg)
Memory Backup	: 3 AA Alkaline batteries type NEDA 15A
Communication	: 1 Host Port (RS-485 or Ethernet 100 BaseT w/ANI-100)
	1 Device ports (RS-485, RS-232, Ethernet 100 BaseT w/ENI-110)
Inputs	: 1 Cabinet Tamper; 1 Power Fault
Approvals	: CE, RoHS

Model Part	Number	Description
AAN-32S	430-180R	Alarm/Access controller (1 Mbyte). Single device port. Requires 2 device drivers
AAN-32SCC	430-181R	Alarm/Access serial controller complete with ASM-23 & ASM-48
AAN-32NCC	430-182R	Alarm/Access network controller complete with ANI-100 & ASM-48
ENI-110	430-173R	Ethernet Network Interface for device port communication.
APU-1210	460-110R	12V DC Power Supply & Enclosure for AAN-32 with 120V 10 Amp Switching Power Supply and Battery (30aH)
ASM-48	430-132R	Plug-in RS-485 Communications Driver
ASM-23	430-131R	Plug-in RS-232 Communications Driver