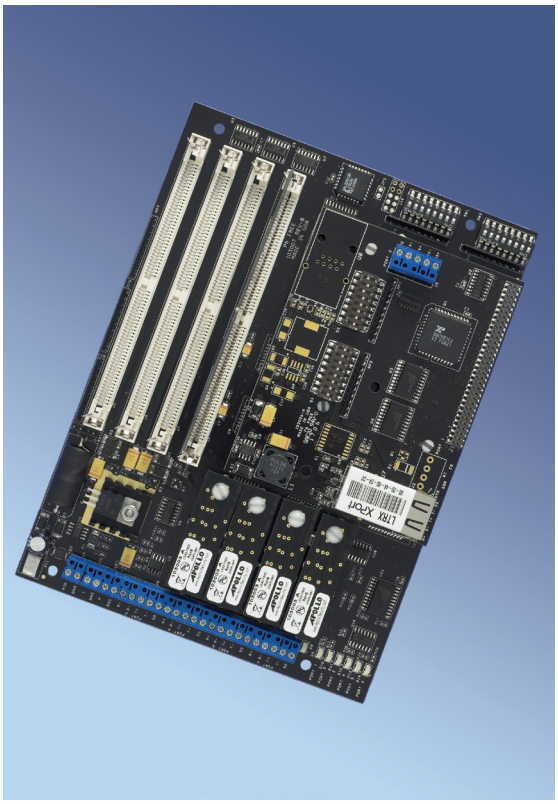
AAN-100

96 Reader Intelligent System Controller



APOLLO
intelligent security solutions

- *On-Board Memory up to 1,240,000 Cardholders/65,535 Events*
- *96 Device Control (Readers, Alarm Panels, Status Panels)*
- *Up to 8 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*
- *Advanced Alarm Arm/Disarm*

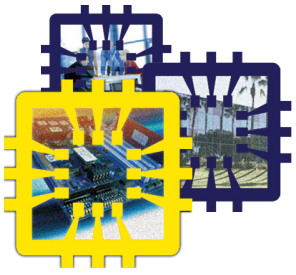
Take charge of your security...

Apollo's AAN-100 Intelligent System Controller for Access Control and Alarm Monitoring sets the industry standard with support of up to **96 devices** (readers, alarm panels, status panels) and memory capacity of **1,240,000 cardholders/65,535 events**. The on-board 32-bit processor supports advanced inter-device reactions (Internal Variables) that are stored within the controller's memory and thus operate without relying on a PC/software host, providing ultra-dependable functions for the highest security applications.

For fast loading of configuration/cardholder data and reporting of events, the AAN-100 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 four ports that can support a versatile mix-and-match combination of RS-485, RS-232 and Ethernet communication, all monitored by separate communication status LED's.

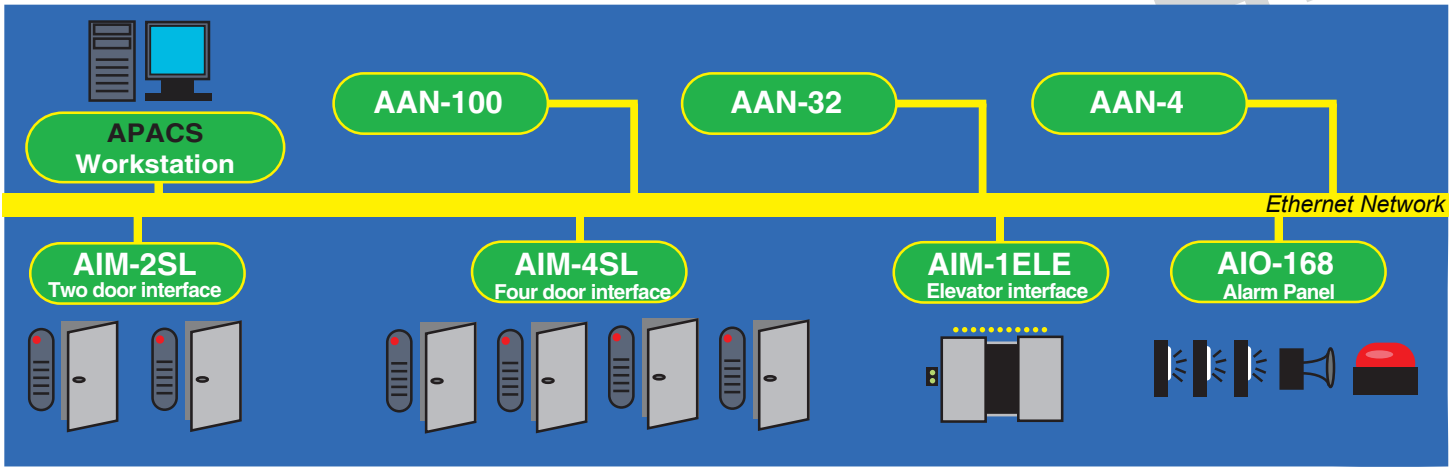
The AAN-100 features robust advanced electronics technology to ensure long life with minimal failures making for ultimate security as well as lowering maintenance costs. Surface mount manufacturing technology, **field replaceable communications modules** and **remote flashable firmware** for controllers and attached devices take the worry out of your Access Control System. These outstanding advantages combine to give Apollo equipment 1,100,500 hours (127 years!) mean time between failures (MTBF).

Forming the base of a tri-level database redundancy system, the AAN-100 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-100 the standard for demanding sites such as nuclear power facilities, military installations and major corporations worldwide.



Apollo AAN System Overview

System Diagram



Specifications:

Power Requirements:	+12 to +28Vdc @ 300mA (with ASI-1) @ 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:	2 Host Ports (RS-485 or Ethernet 100 BaseT w/ANI-100); 4 Device ports (RS-485, RS-232, Ethernet 100 BaseT w/ENI-110)
Inputs:	1 Cabinet Tamper; 1 Power Fault
Approvals:	CE, RoHS

Specifications

Model	Part Number	Description
AAN-100	430-100R	Alarm/Access network controller (1 Mbyte) Requires interface and 4 device drivers
AAN-100SCC	430-185R	Alarm/Access serial controller with 4 device drivers and ASI-1, ASM-23 & ASM-48
AAN-100NCC	430-186R	Alarm/Access network controller with 4 device drivers and ANI-100
ENI-110	430-173R	Ethernet Network Interface for device port communication.
APU-1210	460-110R	12V DC Power Supply & Enclosure for AAN-100 with 120V 8 Amp Switching Power Supply and Battery (30aH)
ASM-48	430-132R	Plug-in RS-485 Communications Driver

3610 Birch Street
Newport Beach, CA 92660-2619, USA
Tel: +1 949 852 8178 Fax: +1 949 852 8172
z

APOLLO
intelligent security solutions