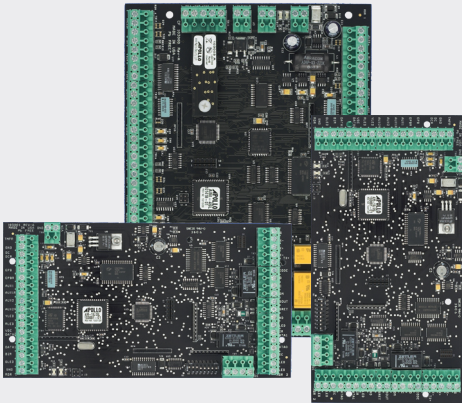# AAN-4/2/1
4/2/1-Door Integrated Controller/Reader Interface

- On-Board Memory for up to 20,000 Cardholders/7,000 Events with battery-less backup
- Door Hardware & Auxiliary Inputs (Supervised or Unsupervised)
- On-Board Relay Outputs with support for 16 External ADA-10/11 Digital Relay Modules for increased security
- RS-485, RS-232 or Ethernet communication
- 8 Facility Codes/Card Formats
- 38 Access Levels per card
- Industrial Temperature Rating (-40 to 85° C)

ACS Door Interface Controller

Apollo's AAN-4/2/1 Integrated Controller-Interfaces give you the best of both worlds by combining a powerful controller directly with reader/door control. Enjoy the flexibility to choose the right controller for your application, supporting combinations of four, two or one readers with door hardware. AAN-4/2/1 controllers not only have standard features such as Precision Access and Full Anti-Passback, but can maintain normal functions in off-line mode thanks to a 20,000 cardholder/7,000 event local database. The AAN performs as a self-contained controller, communicating directly to Apollo's APACS Software, making it ideal for add-ons to a larger system or for a remote location that require basic controller features.
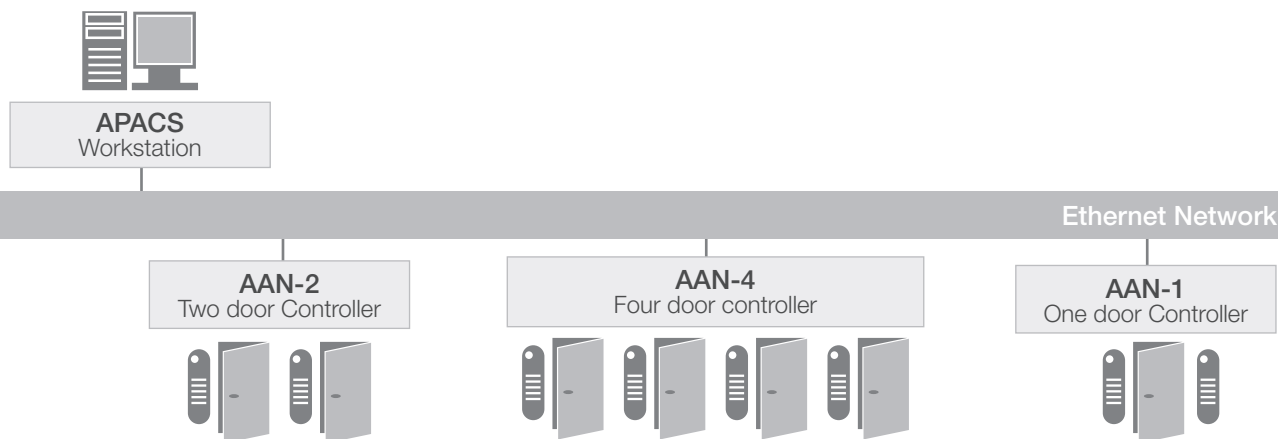
AAN-4/2/1 controllers fully integrate a full range of reader types including proximity, smart card and biometric with up to 8 card formats supported simultaneously allowing you to mix and match different reader types or easily migrate old card populations. Paired with Apollo's APACS Software, get easy biometric management and enrolment with central database storage and smart distribution of biometric templates.

A full array of input and output options are right on-board including auxiliary inputs and auxiliary or dedicated alarm outputs. Not stopping there, Apollo ADA 10/11 Digital Relay Modules can be connected to lock down vulnerable door to interface wiring by only activating in response to an encoded digital signal generated by the controller.

The features of AAN-4/2/1 controllers not only reduce installation costs, but keep maintenance manageable with field-replaceable communications modules and remote flashable firmware. Combined with advanced surface mount manufacturing technology, Apollo has made AAN controllers the standard for demanding sites such as nuclear power facilities, military installations and major corporations worldwide.

SYSTEM DIAGRAM
Apollo AAN System Overview

SPECIFICATIONS

Configurations:	AAN-4	AAN-2	AAN-1
Doors	4	2	1
Readers	4	2	2
Door Contacts	4	2	1
Aux Inputs	4	0 / 2	2
Aux Outputs	4	0 / 1	1
ADA External Relay Support	16	8	4
Tamper	Yes	Yes	Yes
Internal Memory (cards/events)	20,000/ 7,000	20,000/ 7,000	20,000/ 7,000

Power Requirements : +12 to +24Vdc @ 250mA
Dimensions AAN-4 : 7.5 in x 5.5 in (19 x 14 cm)
AAN-1/2 : 7.5 in x 4.0 in (19 x 10 cm)
Environment : Operating Tem: -40 to 85° C
Storage Temperature : -40 to 85° C
Relative Humidity : 0 to 95%, non-condensing
Weight : 1 Lb (.45 Kg)
Memory Backup : Capacitor based circuit, no battery required
Reader Input Protocols : Wiegand Data1/Data0, Magnetic Clock/Data, Custom Protocols Available
Approvals : CE, RoHS

Model Part	Number	Description
AAN-4N	430-191R-IC	Integrated 4 reader network controller with ENI-100 Network Interface
AAN-4S	430-190R-IC	Integrated 4 reader serial controller
AAN-1N	430-193R-IC	2 reader/1door network controller with ENI-100 Network Interface
AAN-2N	430-192R-IC	2 reader/2doors network controller with ENI-100 Network Interface
APU-1210	460-110R	12V DC Power Supply & Enclosure for AAN-32 with 120V 10 Amp Switching Power Supply and Battery (30aH)