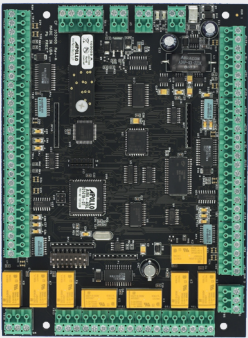


AIO-168

Alarm Input/Output Module



- 16 Alarm Input Zones with available line supervision, entry/exit delay, and time zone control
- 8 Form-C Relay Outputs with individual configuration for local linkage, time zone control and pulse time
- Flexible configurations custom fit any application:
- Full alarm monitoring integration solution for Apollo systems
- Industrial Temperature Rating (-40 to 85° C)

ACS Input/Output Device

Get more out of your access control system by adding powerful alarm monitoring functions with the AIO-168 Alarm Input/Output Module which features 16 Alarm Input Zones and 8 output relays, all fully configurable with advanced options for a full featured alarm monitoring system. Dependable multi-level functions as well as off-line functionality coupled with Apollo's superior manufacturing make unparalleled reliability.

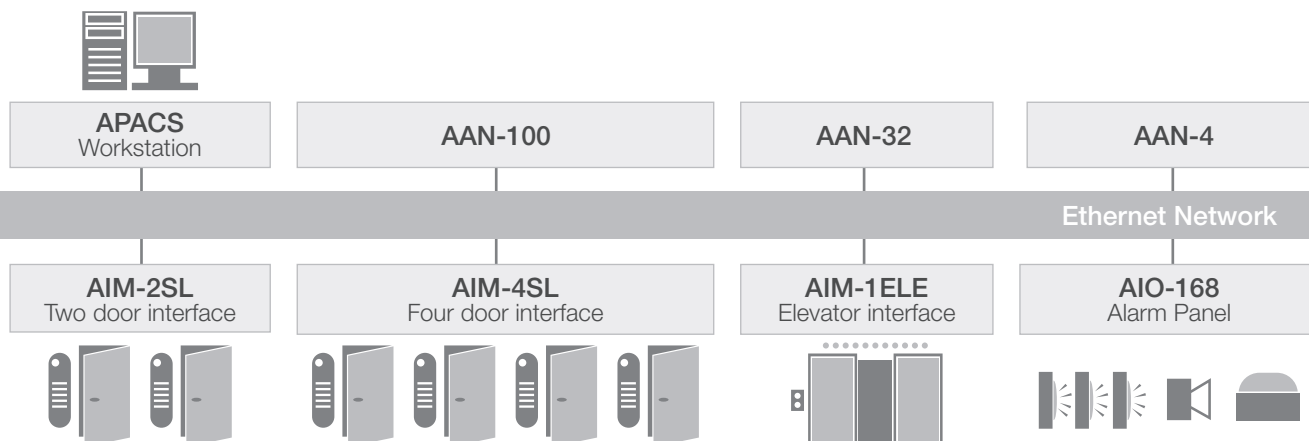
The AIO's 16 highly sensitive input zones are scanned up to 180 times per second in order to detect alarms other systems miss. In addition, input data is filtered for noise rejection, preventing annoying and costly false alarms. Supervised mode allows the AIO to monitor input line status in order to prevent tampering with wiring to defeat alarm input devices. Input supervision reports short or open conditions on the line by using a standard end-of-line resistor or for higher security applications, custom resistor values are available.

For interfacing to external devices such as annunciation sirens and indicator lights, the AIO-168 features 8 Form-C SPDT outputs. Each output can be individually configured for local linkage to any combination of the AIO's 16 input zones as well as line tamper condition, cabinet tamper condition, communication loss or power supply interruption even in an off-line state. Further relay control can be programmed in AAN/ AAM series controllers or in the software host to provide relay function in a virtually unlimited number of circumstances.

The AIO is available in four base configurations and with an optional 8 relay add-on board for flexibility in designing any system.

SYSTEM DIAGRAM

Apollo AAN System Overview



SPECIFICATIONS

Power Requirements	: +12 to +28Vdc @ 350mA
Dimensions	: 7.5 in x 5.5 in (19 x 14 cm)
Environment	: Operating Temperature: -40 to 85° C
Storage Temperature	: -40 to 85° C
Relative Humidity	: 0 to 95%, non-condensing
Weight	: 1 Lb (.45 Kg)
Relays	: Contacts: 1A @ 24Vdc 1A @120Vac
Approvals	: CE, RoHS

Model Part	Number	Description
AIO-168	420-168R-IC	Analog Input Alarm Module, supports 16 supervised inputs and 8 outputs
ENI-100	430-172R	Ethernet Network Interface for connection of AIM-4SL.
APU-1210	460-110R	12V DC Power Supply & Enclosure for AAN-32 with 120V 10 Amp Switching Power Supply and Battery (30aH)
ATM-30	470-031R	Alarm zone terminator for AIO-168



3610 Birch Street
 Newport Beach, CA 92660-2619, USA
 Tel: +1 949 852 8178 | Fax: +1 949 852 8172
www.apollo-security.com

Rev 3A, 1 MAR 2008 © Apollo/ADME Inc.,
 Information contained in this document is subject to change without notice.