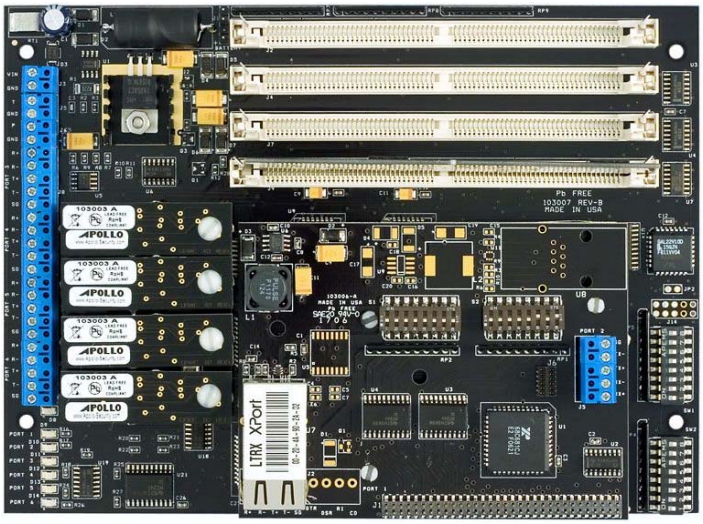
AAN-100

The AAN-100 represents one of the most advanced access controller available today. Completely designed and built in-house by APOLLO, the AAN-100 has advanced technology like flash memory for program updates and feature enhancements without the need to replace or remove the board from its installed location, RAMs can be added in the field for additional storage memory. Built using the latest in SMT technology and RoHS compliant, the AAN-100 meets or exceeds international standards like UL and CE and is proven in many installations world wide. The AAN-100 is available as a high speed serial controller or a 10/100 base ethernet connected controller.



AAN-100, 96 Readers Access Controller

The AAN-100 can be configured for serial or network connection just by switching out the communication boards, making field upgrade an easy affair. The AAN-100 comes with a standard 1 Mbyte RAM (expandable to 8 Mbyte) and is capable of handling up to 1.3 mil. cardholders and up to 100 devices like card readers, status panels and alarm panels. A system can consists of multiple AANs creating a system with hundreds of readers and thousands of alarm zones.

Four independent device ports can be configured for communicating with the field devices. Each port has a plug-in driver for RS-232, RS-485 or Ethernet communication with the field devices. LEDs on the AAN provides a visual indication of host and device activities, AAN health, RAM health and are also used in trouble diagnostics.

The AAN-100 communicates with all Apollo devices and with all wiegand signalling devices and other card technologies through the downloadable modules. Once the configuration is received from the PC host, the AAN stores and distributes these access control information to the field devices like the AIMs and alarm panels where these information are stored locally.

All access decisions are made locally at the door interfaces and the transaction is sent to the AAN for later processing by the host PC. This feature significantly reduces the processing speed of events while increasing the speed of operational functions of access control features. This unique feature also frees up the resources available at the host PC for other functions, eradicating lags and improving overall system operations.

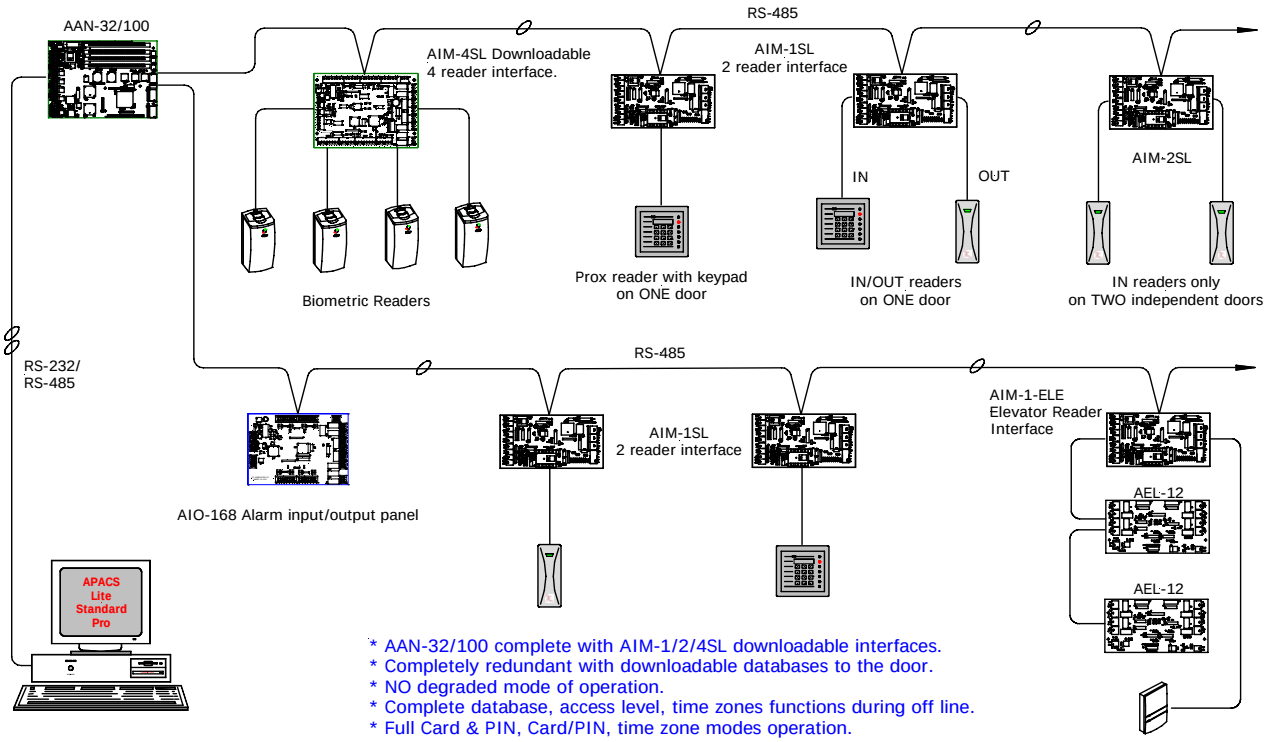
Once configured, the entire system can function with full database redundancy without the host PC as all cardholder and access control information are stored in the AAN as well as the individual field devices.

- 2 megabits of downloadable flash memory.
- Plug-in comms and memory modules.
- Direct, on-board Ethernet interface (NCC).
- Dual path device communications.
- On board battery backed clock & memory.
- Local storage of up to 250,000 cardholders/ 100,000 events.
- 96 readers capability with full duplex RS-485.
- Elevator control, Alarm masking, APB.
- 16 lists of 8 card formats each.
- 4 communication ports for devices.
- Self resetting fuse & processor watch dog.

SPECIFICATIONS

Power Requirement	13.6 VDC to 28 VDC	
Current Consumption	750mA Max.	
Operating Temperature	0 to +50 Degrees Celsius (32 to 122 Degrees F.)	
Relative Humidity	95% Max, operating, non-condensing	
Dimensions	19 cm x 14 cm x 2.5 cm	
Ordering Information	#430-184R AAN-100SCC High speed serial controller 1 Mbyte RAM	#430-186R AAN-100NCC Ethernet 10/100 controller 1 Mbyte RAM

AAN System
with downloadable reader interfaces



* AAN-32/100 complete with AIM-1/2/4SL downloadable interfaces.
* Completely redundant with downloadable databases to the door.
* NO degraded mode of operation.
* Complete database, access level, time zones functions during off line.
* Full Card & PIN, Card/PIN, time zone modes operation.
* Local events storage at each door.
* Supports multiple card formats.
* Hybrid system with finger print identification and card readers.
* Multiple card format support.