



SA-8000

READER INTERFACE/NETWORK

BENEFITS

- * Direct Ethernet TCP/IP connect communications to Host
- * Stores a complete access control and configuration database for 1 or 2 controlled doors and 44,000 cardholders
- * 8 MB on-board memory expandable to 40MB (250,000 cardholders; 6,000 events)
- * Lithium battery back-up
- * Flash memory for real-time program updates
- * Enhanced Anti-passback capabilities
- * Supports up to 8 different card formats
- * Reports supervised inputs/alarms with 255 priorities
- * Three dedicated inputs for Tamper, Power and battery Failure Status
- * Receives and processes real time commands from the Host by reporting all activity to the host and controlling communicates with all connected devices
- * Buffers offline transactions and uploads to the host when communications are restored
- * Allows fallback communications via dialup or RF modem, if TCP/IP network communications are lost
- * UL 294 and UL 1076 recognized components

OVERVIEW

Access Technologies International's StarAccess® series intelligent controllers provide the power, performance, and flexibility of a complete and fully featured hardware and firmware infrastructure for an advanced and integrated access control system, communicating via industry standard RS-232/RS485, TCP/IP protocol over 10/100Mbps Ethernet, or the Internet.

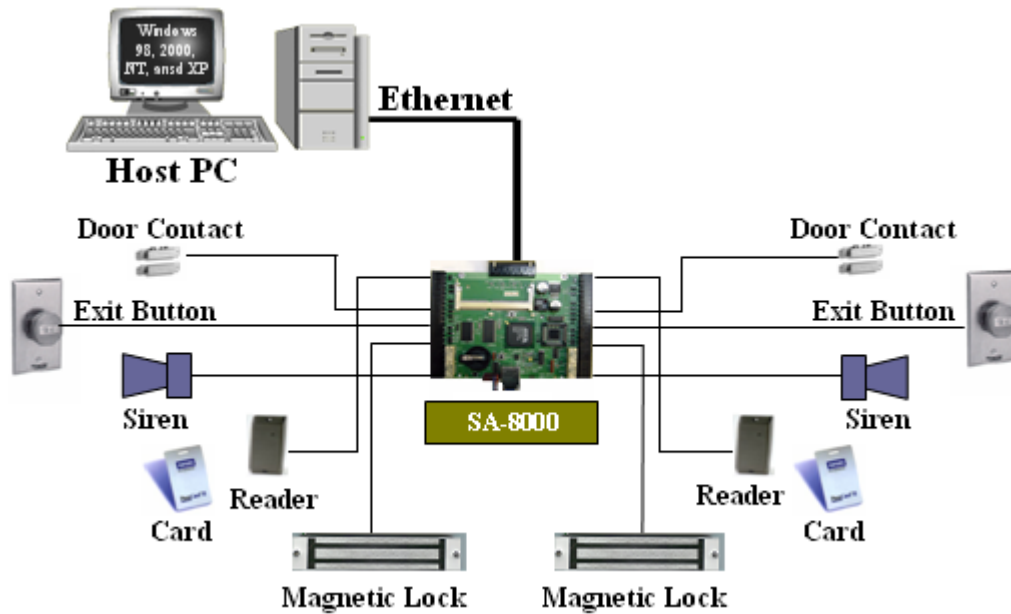
The SA-8000 Reader/Interface Controller boasts a 32-bit RISC processor running the Linux Operating System. On-board flash memory allows program updates to be downloaded via the network.

The SA-8000 Reader/Interface Controller connects to two access control card readers via Wiegand or Clock-and-Data interface controlling either one or two doors.

This architecture takes advantage of the existing corporate LAN and the existing CAT-5 cable, which is preinstalled in most new commercial buildings.



CONFIGURATION



SPECIFICATIONS

CPU	32-bit AXIS RISC, 100MHz, LX/100
Operating System	Linux 2.4.14
Memory	8MB onboard, expandable to 40MB
Dimensions	5.8" W x 4.825" H x 1.275" D (147.32mm x 122.55mm x 32.38mm)
Power Supply Requirements	160 mA @ 12 to 18 VDC
Communication Ports	1 Ethernet TCP/IP - 10 or 100Mbps 2 SIA standard Wiegand/clock and data ports
LED Indicators	3 LED's (Red, Green and Yellow) Power LED (Red when 12VDC is ON) Communications LED (GREEN when transmitting to downstream modules)
Power	12 VDC, 150 mA

Operating Environment	Indoors, or NEMA-4 rated enclosure
Temperature	-32°F to 122°F (0°C to 50°C)
Humidity	5% to 95% relative, non-condensing
Weight	12.4oz (0.35kg)
Cable Distance	TCP/IP - 300 feet to (100m) next device using Category 5 cable Wiegand - 500 feet (166m) to reader using 22AWG, 9-conductor, stranded, overall shield Input Circuits - 500 feet (150 m), 2-conductor, shielded, using 22AWG cable Output Circuits - 500 feet (150 m), 2-conductor, shielded, using 22AWG cable
Input and Output Ports	4 Linear inputs Analog/Digital settings 4 Conventional Relay outputs (form C) Non-latching 2A@12VDC
Monitor Inputs	3 Linear inputs to monitor Tamper, AC Fail and battery Fail

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.



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