



SA-8110

2 DOOR/READER INTERFACE

BENEFITS

- * Direct connect with the SA-8100 Intelligent Network Controller via RS485 multi-dropped
- * 2 connectors for Wiegand protocol card readers or keypads (also supports Clock and Data communications) providing 12VDC to the readers, 1A Maximum
- * 2 Door Status Switch Inputs (default 2k Ω clear, 1k Ω active, user definable)
- * 2 Request to Exit Switch Inputs (default 2k Ω clear, 1k Ω active, user definable)
- * 4 Relay Outputs (form C) for door lock control, door forced and door held alarms
- * Flash memory for real-time program updates
- * Reset Switch
- * Rotary address switch (0-15)
- * Processes offline reader access mode based on facility code
- * Up to 8 different card formats
- * Beeper control and Bi-color status LED
- * Three dedicated inputs for Tamper, Power and battery Failure Status
- * Quick disconnect screw terminal connectors
- * 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 (future option).

The SA-8110 Two Door/Reader Interface Controller connects to two access control card readers via Wiegand or Clock-and-Data interface controlling either one or two doors.

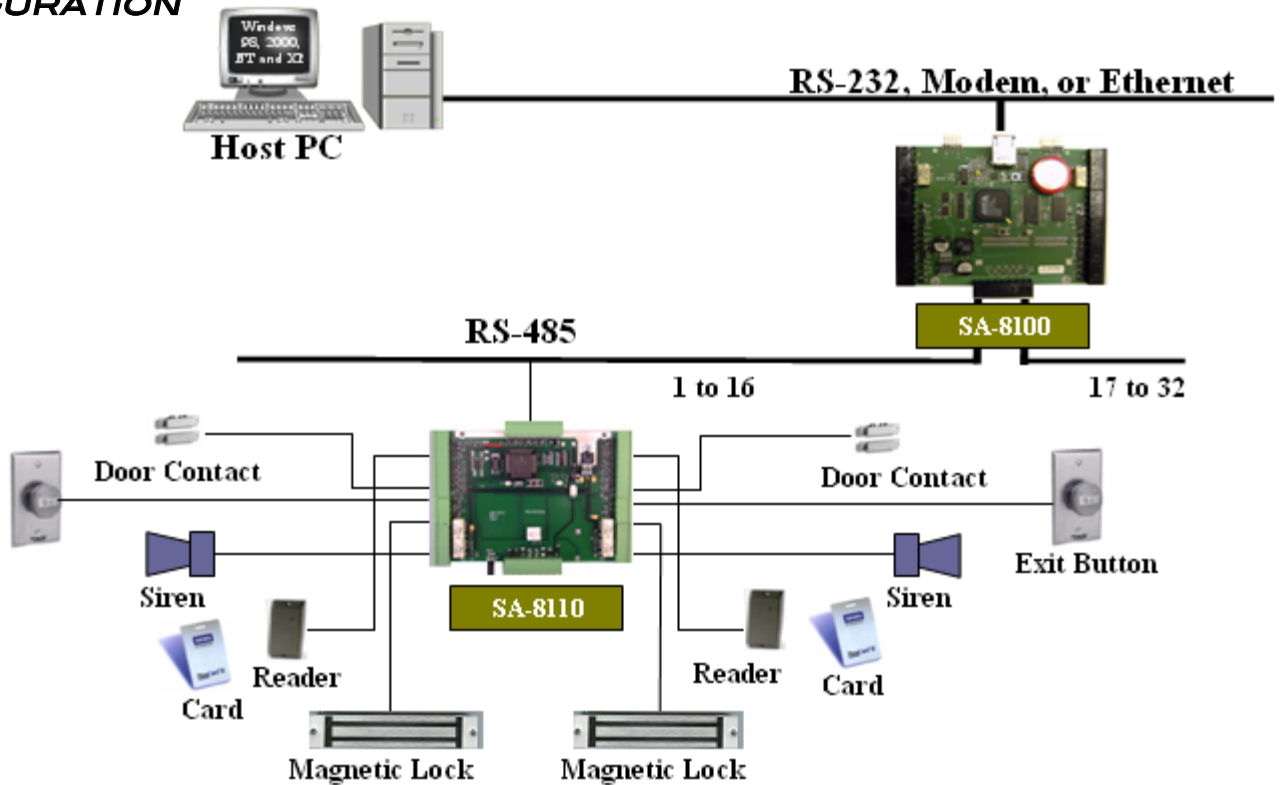
The SA-8110 features on-board flash memory, allowing program updates to be downloaded via the network.

The SA-8110 connects to the SA-8100 via a high speed RS-485 network. The SA-8100, in turn, communicates with the system host via industry standard RS-232 or TCP/IP protocol, over 10/100Mbps Ethernet, or the Internet.

The Ethernet architecture minimizes the impact on corporate LANs, by using only one TCP/IP address for every 32 interfaces, and by handling low-level transactions on the RS-485 network.



CONFIGURATION



SPECIFICATIONS

Dimensions	5.8" W x 4.825" H x 1.275" D (147.32mm x 122.55mm x 32.38mm)
Power Supply Requirements	60 mA @ 9 to 18 VDC
Communication Port from	RS485 Two wire 2 SIA standard Wiegand/ Clock and Data ports with 12VDC out to readers
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	12.4 oz (0.35kg)
LED Indicators	Communications LED (GREEN when transmitting to host, and RED when receiving from host)

	Power LED (RED when 12VDC is ON)
Cable Distance	RS485 - 4000 feet (1220 m) to host using 22AWG Twisted pair, Shield 100Ω cable Wiegand - 500 feet (150 m) 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) rated at 3A-240VDC with holding current approximately 15mA each
Monitor Inputs	3 Linear inputs to monitor Tamper, AC Fail and battery Fail
Reset Button	Used to interrupt power to correct any settings
Address Switch	Set the module logical address (0 - 15)

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.



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