



# Asentria® | SiteBoss® 550A



## POWERFUL - FLEXIBLE EQUIPMENT & SITE SECURITY MONITORING SOLUTION

The SiteBoss 550A is a versatile and powerful system used for monitoring and control of remote equipment sites. The S550A provides remote monitoring of equipment and environmental conditions at these remote sites and forwards notification when conditions fall outside limits. On-board I/O provides Serial and Ethernet connectivity. Optional hardware adds Wireless modem. The S550A-6 provides six Expansion slots to allow the addition of various communications and monitoring I/O interfaces that might be desired for your specific site application.

The S550A is a drop in replacement for the original S550. This unit can be equipped with both the original style expansion cards that the original S550 use and the newer style expansion cards designed for the S360-4.

The S550A has an internal DC power card. Use an external BC1 for battery backup with this unit.

DESCRIPTION	CODE
S550A with 6 Expansion Slots	S550A-6
Extended Temperature Range -40 to +60°C.	/XT
AC Supply for US	/ACUS*
Internal DC Power (20VDC to 60VDC)	/DC
24/48VDC Battery Backup Controller DIN Rail Mount	BC1

\* For International usage you can specify /ACUK for a UK style power cord, /ACEU for a European power cord, /ACAU for an Australian power cord, or /ACJP for a Japanese style power cord.

## HIGHLIGHTED FEATURES

- Secure access to on-site equipment interfaces
- REST API for integration into existing NOC control systems
- 6 additional card slots provide flexible expansion options
- Connect up to 16 remote EventSensor™ modules to add I/O ports
- Optional external environmental sensors with individually configurable alarming functionality
- Advanced site security and access control functionality
- Lua Scripting language
- Send REST, E-mail, SNMP trap, TCP/IP, and DNP3 alarming
- Easy to understand MIB works well with 3rd-party SNMP ManagersCompatible with NetBoss®, ProVision®, HP Openview®, Spectrum®, InterMapper®, Nagios®, SNMPc®, Netcool®, NetkaView, Telenium™, TrapServer®, SilverStorm Technologies™, SitePortal®, SolarWinds®, and all other SNMP-based network management systems
- Failover feature allows for a specified default gateway route and a failover route
- Advanced security options (SSH, SFTP, Radius)
- VLAN, SNMPv3 Sets, Gets & Traps support

## DEVICE SPECIFICATIONS

- Unit Width: 17.5in/44.45cm
- Unit Depth: 7.80in/19.812cm
- Unit Height: 1.75in/4.445cm
- Unit Weight: 3-5 lbs
- Mounting: Shelf or 19in or 23in rack
- Power: 15VDC Desktop Supply w/IEC power cord (DC card Optional)
- DC Voltage In: 20VDC to 60VDC
- Power Usage: 5.25W (Typical), 24W(Max)
- Operating temp: 0 to 40°C standard, -40 to +60°C extended range
- Storage Temperature: -40° to 85° C
- Operating Humidity: 0 to 95% (Non-condensing)
- RoHS, CE, CSA/UL Certified pending
- Mean Time Between Failure: TBD

## IDEAL USES

The S550A can be used in remote cabinets or enclosures. This device supports remote environmental monitoring, AC and DC power monitoring, ATS, generator and fuel level monitoring, fuse panels, HVAC control, battery monitoring as well as site security monitoring with access control. The S550A can talk to other equipment using SNMP, Modbus, and XML Proxy giving a user access to equipment that is not otherwise accessible. The device also supports remote access to site equipment using networking protocols such as Telnet, Port Forwarding and Remote Desktop as well as serially.

The S550A is specifically designed to notify an SNMP software, but notifications can also be sent via Email, SMS messages, DNP3 telemetry and other customized systems using our RESTful API.

The S550A features specialized scripting and security capabilities including site entry and up to eight security cameras. Scripting (Lua) enables a user to customize monitoring capabilities. Additional security methods allow use of the S550A in the most security-conscious environments.

## BACK PANEL CONFIGURATION

The S550 catalog number specifies the configuration and options you want to order with your S550 unit. The catalog number lists the options in the order shown below. Items with a \* are truly optional and are omitted if not desired.

### BASE UNIT + \*EXTENDED TEMP + POWER SUPPLY + \*EXPANSION CARDS

Base unit and base options are separated with a slash (/), then Expansion slot options are listed, separated with a dash (-). The first Expansion card listed in the catalog number goes in slot 1, the next in slot 2, and so on. Thus all of the following are valid catalog numbers:

- S550A-6/ACUS-SAEC-8C-8V-8R-2DS2S
- S550A-6/XT/ACEU-8C-8C-4C4V
- S550A-6/ACUS-8V-8R
- S550A-6/DC-32C8V8R-SAEC

## BASE UNIT CONFIGURATION

- (2) RJ45 Serial I/O Ports
- (1) 10/100/1000 Ethernet Port (ETH1)
- (1) 10/100 Ethernet Port (ETH2)
- (6) Expansion Card Slots
- [1] USB Port
- (1) ES/ESJ Port
- (1) Micro SD
- 15VDC AC Power Jack Input

