

Remote Cabinet & Enclosure Monitoring

Asentria products are the most comprehensive tools available for preventing downtime in the critical edge locations on your communication networks. Asentria products can commonly be found in all of the following locations:

- ▶ Cellular or WiMAX Base Transceiver Sites (BTS)
- ▶ Microwave Communications Sites
- ▶ Cable Head-end Locations
- ▶ DSL Local Exchanges
- ▶ Radio and TV Broadcast Antenna Sites
- ▶ Oil and Gas Production Facilities
- ▶ Utility Company's Communication Networks
- ▶ Transportation Entities (Highway or Rail) Communication Networks
- ▶ Military Locations
- ▶ Wind Power Locations

Asentria SiteBoss products (refer to any SiteBoss product brochure for a matrix of which products provide specific features) notify you of potentially damaging conditions, and give you unique methods of remotely accessing and controlling conditions and equipment within a critical network location in the following ways:

ENVIRONMENTAL CONDITION NOTIFICATION

- ▶ Temperature
- ▶ Humidity
- ▶ Water
- ▶ Smoke
- ▶ Entry
- ▶ Motion
- ▶ Lack of Airflow
- ▶ 4-20mA monitoring to enable use of a wide variety of industrial sensors for unusual situations



POWER CONDITION NOTIFICATION

- ▶ Power and current measurements both for indicating service threatening loss of power or for measuring power usage.
- ▶ Ability to monitor both AC Main power as well as DC batteries.
- ▶ Fuel level and viscosity measurements on back-up generators.

EQUIPMENT MONITORING NOTIFICATION

- ▶ Monitoring of passive equipment such as HVAC equipment, Fans, and UPS, and monitoring of active service providing equipment such as routers, modems, microwave equipment, and others.
- ▶ Monitoring by contact closures
- ▶ Parsing ASCII
- ▶ "Capturing" SNMP traps
- ▶ Gathering SYSLOG files
- ▶ Gathering and parsing TL1 or TBOS alarms
- ▶ Active PING'ing of network devices
- ▶ SNMP GET's
- ▶ MODBUS
- ▶ Customized scripted applications for gathering data from pieces of equipment.

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EQUIPMENT CONTROL

- ▶ Remote reboot ability for common remote cabinet DC equipment (switch 10amp, 30amp, or 60amp at 60V).
- ▶ Scripting ability allows base hardware to take independent action based on alarm notifications.

NOTIFICATIONS

Alarm notifications are possible via pager, email or SNMP (v1, v2c) traps. Pager and email for smaller numbers of sites and simpler applications, and SNMP for monitoring larger numbers of critical network equipment sites.

- ▶ Triggering relays on our base hardware units to engage audible alarms.
- ▶ Ability to do “contact mirroring” across the network: having a contact triggered in one location and open a relay at a distant location.

SECURITY

- ▶ All Asentria units are designed with security in mind. Devices support SFTP, SSH, IPSEC VPN, RADIUS, and SNMPv3 SETS and GETS.

COMMUNICATION

- ▶ In addition to standard communication available by standard Ethernet ports on all Asentria base models, units have optional POTS/PSTN phone modems and wireless GPRS or EDGE modems also available.
- ▶ All Asentria units with additional connectivity methods may be used as terminal server devices.
- ▶ Use of SitePath software enables some units to make secure IPSEC VPN connections across public networks. In addition to standard communication available by standard Ethernet ports on all Asentria base models, units have optional POTS/PSTN phone modems. Wireless GPRS or EDGE modems are also available.
- ▶ Ability to use Modem AT commands to support external modems, such as Iridium Satellite Modems.

The existing Asentria Remote Site Product Line and related accessories comprise a comprehensive solution for most customer’s Remote Site needs. For a complete list of these items, please refer to the Asentria Remote Site Product Guide found on our website.

Additionally, Asentria has the ability to fashion a custom solution for a specific remote application, outside of our existing product line. Contact Sales for more information.



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