



Asentria® | Network Equipment Room Monitoring

Asentria products are the most comprehensive tools available for preventing downtime in your critical network equipment rooms. Typical locations where Asentria equipment might be used for equipment room monitoring are:

- Enterprise Networks - Server Rooms
- Telecom Communication Carrier Core Sites
- Co-Location Sites/ISP Equipment Sites

Asentria provides network administrators with products ranging from easy and basic environmental monitoring devices, all the way to complex products for complete management of all potentially harmful variables in a network equipment room outside the scope of your existing SNMP Network Management Software.

Asentria products notify you of potentially damaging conditions within a critical network location such as:

EQUIPMENT MONITORING NOTIFICATION

- Monitoring of passive equipment such as HVAC equipment, fans, and UPS, or 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.
- Customized scripted applications for gathering data from pieces of equipment.

ENVIRONMENTAL CONDITION NOTIFICATION

- Temperature
- Water
- Humidity
- Smoke
- Entry
- Motion
- Lack of Airflow

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.
- Monitor fuse panels.
- 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.

- Trigger 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. Wireless GPRS or EDGE modems are also available.

- All Asentria units with additional connectivity methods may be used as terminal server devices.

NETWORK EQUIPMENT ROOM MONITORING PRODUCTS

Base Hardware - S571, S570, S550, S530, S450, S420

ACCESSORIES

- All Expansion Cards, including Wireless Cards
- All Contact/Analog/Relays
- SensorJack Sensors
- Environmental Sensors
 - Smoke Detector
 - Water Sensor
 - Door Contact
 - Audible Alerts
 - Humidistat
 - Thermostat
 - Fan Control
 - AC Power

Please refer to the individual Product Technical Specification or Product Technical Brief for more information on each of these specific products.

