

Remote Equipment Monitoring & Access

Asentria products are the most comprehensive tools available for remote equipment monitoring and remote access. Asentria TeleManagement products are commonly used by the following types of customers for remote equipment monitoring and access:

- ▶ PBX Management - PBX Manufacturers, Carriers, Integrator/Resellers
- ▶ Manufacturers of critical infrastructure hardware
- ▶ Outsourced Systems Administration Companies



Asentria's TeleManagement Product Line enables these Resellers to provide their customers with solutions that result in increased up-time for communications equipment, a greater level of service, and reduced overall cost of ownership.

By utilizing Asentria's unique SitePath software at the Reseller's Network Operation Center (NOC) site and by providing an Asentria hardware solution at each customer site when customer premises equipment (CPE) is provided, whether it is a PBX, a server, or even several pieces of critical equipment, a Reseller can offer the following services:

- ▶ Secure monitoring of the CPE by Asentria hardware off of the customer's network and back to the resellers NOC.
- ▶ Remote secure access from the NOC through Asentria hardware onto the customer's network to the CPE.

The Asentria Telemanagement solution enables the Reseller to offer completely new services to their customers. The end user benefits by offloading equipment training and maintenance to the Reseller. Overall training costs are reduced and additional personnel aren't needed to manage the new equipment. The Reseller benefits by leveraging their expertise with their own equipment to provide superior service for a premium fee. The extensive reach of the Asentria solution allows your best technicians to manage more equipment. The Reseller also benefits from the ability to potentially correct a problem without having to make a service visit, or if a site visit is necessary, arrive at the site armed with data about the problem. This reduces problem troubleshooting and saves the customer time and money.

It is recommended that you refer to any TeleBoss Product Brochure (T810, T830, T850) for a matrix that describes which units have the following features. This document is intended to show the overall capabilities of our TeleBoss Product Line. Asentria solutions provide the following capabilities:

EQUIPMENT MONITORING NOTIFICATION

Asentria units offer a variety of monitoring and notification features. Customized scripting is available to enable you to gather alarms in exactly the same way an individual onsite with a laptop might do.

- ▶ "Capture" SNMP traps or do SNMP GETS from other equipment.
- ▶ Gather and monitor SYSLOG files.
- ▶ Collect, store, and parse ASCII text data, TL1, TBOS, or MODBUS messages for potential alarms conditions.
- ▶ Actively PING selected devices on the network.
- ▶ Monitor contact closures for alarms from UPS, HVAC or other critical ancillary equipment.

Remote Equipment Monitoring & Access

Environmental Condition Notification

- ▶ Temperature
- ▶ Humidity
- ▶ Water
- ▶ 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 conditions as well as DC batteries.
- ▶ Fuel level and viscosity measurements on back-up generators.
- ▶ Monitor fuse panels.

Alarm Notifications

Alarm notifications are possible via pager, email or SNMP (v1, v2c) traps.

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. Use of SitePath software enables some units to make secure IPSEC VPN connections across public networks. Also, certain Asentria units have the ability to use Modem AT commands to support external modems, such as Iridium Satellite Modems.

Security

All Asentria units are designed with security in mind. Devices

support SFTP, SSH, IPSEC VPN, RADIUS, and SNMPv3 SETS and GETS.

SitePath Software

Sitepath is a unique software that enables secure access from the SitePath software location, across the public network, to potentially thousands of attached Asentria devices. The software is responsible for:

- ▶ Authentication – Verifies the identity of the user.
- ▶ Authorization – Controls what access is allowed on the user's network.
- ▶ Encryption – Conceals all the traffic passed along the connections.
- ▶ Firmware Upgrades – Scheduled upgrades to field hardware.
- ▶ Organize – Arrange your connections in a standard "tree" format.

REMOTE DEVICE MONITORING AND ACCESS PRODUCTS

Base Hardware

- ▶ T850
- ▶ T830

Expansion Cards

- ▶ Wireless Modem Cards
- ▶ All Contact/Analog/Relays
- ▶ Serial Cards
- ▶ Sensor Jack Cards

3rd Party Sensors

- ▶ Smoke Detector
- ▶ Water Sensor

Remote Equipment Monitoring & Access

- ▶ Door Contact
- ▶ Audible Alarms
- ▶ Humidistat
- ▶ Thermostat
- ▶ AC Power Monitoring

SitePath Software

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



Asentria[®]

[1200 N. 96th St., Seattle, WA 98103] [Tel: 206.344.8800] [Fax: 206.344.2116]
info@Asentria.com