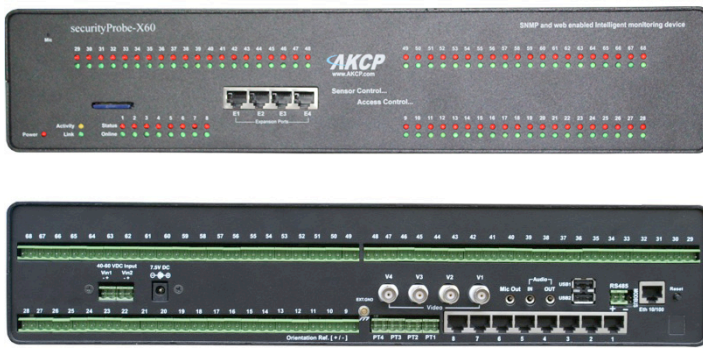Sensor Control...

Access Control...

securityProbe-X60

SNMP-based Environmental and Security Monitoring Solution

Applications

Monitoring Solution for :-

- Data Center & Server Rooms
- Telecommunication Room
- Network Equipment
- Remote ATM
- Backup Power & Generators
- Air Conditioning
- Cryogenics & Food industry
- Warehousing
- Medical & Pharmaceutical applications
- Server Rack Monitoring
- Building & Real estate Management

Is your system designed to control the unpredictable? Does maintaining your infrastructure keep you on edge?

securityProbe-X60 will monitor the physical environment and alert you of any disturbances, such as unauthorized intruders, security breaches, high temperatures, smoke, water leakages, power outages and much more.

Up to 4 remote controlled pan-and-tilt cameras, combined with the securityProbe-X60's software motion detection and a rich notification suite keeps you up to date at all times. E-mail, SMS, telephone call, web-browser, and other channels are available wherever you are, 24/7.

Features

- Full SNMP v1 v2 and v3 Compliant
- Email Notification
- Web Enabled - Embedded web server
- NMS Integration
- SNMP trap notification
- Connect 4 external cameras
- Linux Operating System
- 80 Virtual Sensors
- Built-in Graphing and Logging
- Platform Independent
- New faster CPU and Graphics card
- Built-in Pan tilt controller
- Supports Modbus Built in Nagios
- 60 Dry contact inputs

securityProbe-X60

The securityProbe-X60 is the next generation dry contact device with an advanced 60 dry contact inputs. The securityProbe-X60 has a Linux Operating System with 128 Megabytes of Flash memory and 64 Megabytes of SDRAM. It is TCP/IP compliant and runs lighttpd web server including https (SSL), Bash, Perl, vi, Telnet, PHP, Email and Nagios. The securityProbe-X60 has an easy-to-use web-based user interface for sensor configuration, data collection and extensive graphing.

Complete SNMP functions such as SNMP v3 encryption are supported. The securityProbe-X60 also supports Modbus Master/Slave, Modbus RTU and Modbus over TCP/IP creating a unique, easy to configure Modbus to SNMP gateway. The web-based interface is written in PHP allowing end-user changes such as language translation. The securityProbe-X60 has a battery backed time of day clock for accurate record keeping.

Features

- Embedded web server displays sensor information and live video from connected cameras.

- Control PT cameras directly from the web interface.

- Record streaming video directly to remote servers or internal memory, or send live images to your own website.

- Connect up to 4 external cameras, and simultaneously display images up to 640x480 pixels resolution.

- Receive notifications of anomalous events via email, SMS / MMS, SNMP traps, and many more.

- Integrates with network management systems via SNMPv1 and encrypted SNMPv3.

- Stream video and sensor information directly to your cellphone or PDA.

- Ability to connect external GPRS/GSM modem, Bluetooth and WiFi USB adapters.

- Uses an embedded Linux operating system for maximum stability and flexibility.

- Virtual Sensors Feature to monitor power, Modbus, network devices, and other SNMP based equipment.

- Built-in graphing and data logging, internally or to a remote PC.

- Platform independent; free firmware upgrades and utilities from AKCP.

- Monitor up to 600 intelligent sensors using expansion modules (E-Opto 16 and E-sensor 8)

- Compatible with complete range of AKCP Intelligent sensors

- Full Modbus support : Modbus Master/Slave, Modbus RTU, Modbus over TCP/IP

Architecture

- 8 full autosense RJ-45 ports
- 32-bit Xscale PXA270, 520 MHz Processor
- 128 Megabytes of SDRAM
- 8 Megabytes of nonvolatile flash memory
- Onboard SD card slot (comes with 2GB SD card installed)
- 10/100 Mbps Ethernet and 1 serial port
- 2x USB 1.1 port
- Embedded Linux Operating System
- RS485 Ports
- Internal Audio Speaker
- 60 Dry contact inputs

For more information, please take a look a

Applications

Connect up to 4 external analogue cameras

The securityProbe-X60 can display pictures from a maximum of four cameras simultaneously in several sizes, up to 640x480 pixels resolution.

Analogue cameras are the kind used in professional surveillance and CCTV monitoring systems. A built-in pan-tilt controller interface allows complete control of pan and tilt cameras using the industry standard Pelco D bus.

Video Conferencing

Video conferencing is activated by connecting an external camera to the securityProbe-X60. The securityProbe-X60 has an integrated speaker and microphone for communication.

Sensor Graphing

The securityProbe-X60 integrates and displays graphs of all sensor data in its web-based user interface. The individual graph (day, week, month and year) for each sensor type can be customized, simply by modifying the script template used to generate a particular graph. RRD tool is used to build an embedded database of sensor data.
This data can be accessed from the web interface, or downloaded to a remote PC. MRTG can be used to generate real-time graphs of sensor data on a remote website

False Message Filter

In order to prevent false alarms, the securityProbe-X60 allows extensive filtering of events. You can limit events based on the time of day or the day of the week. You can also limit the number of alerts per hour, so that you are not swamped with messages. This is especially important with the sensor like the motion detector where you may want to process an event only when the business premises are closed.

Sensor Integration & Notification System

Up to 8 of AKCP's intelligent sensors can be plugged into the RJ-45 ports of the securityProbe-X60. Once inserted, the sensor automatically configures itself and goes online. Our easy-to-use web based interface allows you to setup the securityProbe-X60 within minutes. When online, the sensors use their 4 levels of threshold checking and report any status change. Notifications and alarms can be dependent on the states of multiple sensors, and can be configured to escalate in severity over time.

The notification system can alert you of a problem via email, SMS messages and telephone calls, (additional hardware required), or send a message to any commercial network monitoring system using SNMP traps. The securityProbe-X60 can automatically switch a relay on or off, wake-up or shutdown a remote server, send pictures and data via FTP, send a FAX, run your custom script and many more versatile functions.

Email alerts can include a picture taken at the time of the event. All of the events are stored in the systems internal database; 23 pictures per event per camera can be recorded. Event details include the time and the sensor which triggered the event along with the sensor readings. The database can be easily reviewed using our built-in web based analysis system. All of the pictures are time stamped. The securityProbe-X60's system log can be integrated with third party tools for storage and examination.

Automatically shut down your equipment in an emergency

AKCP's Linux devices will automatically send a shutdown message to your Linux or Windows based servers – so if there is a power outage, for example, you can rest assured that your servers will be safely and automatically shut down before your UPS runs out.

Industry Certifications & Network Management Systems

AKCP offers NMS integration for leading network management systems such as:

AdRem NetCrunch	IBM Tivoli	SiteScope
Quest Software – Big Brother	Loriot Pro	Somis WebNM and Denika
Castle Rock	Logalot	WhatsUp Gold
HP OpenView	MRTG	Computer Associates Unicenter TNG

Dimension

- Size : 18" x 5" x 3.45"
- Weight : 4.4 pounds

Power Requirements

- Voltage 7.0 - 9 V / >= 3 Amp

Power Consumption

- Typical 6.150 Watt, 0.82A

Inputs

- 8x RJ-45 ports for connecting AKCP sensors
- 4x RJ-45 Expansion ports
- 4x video Input ports VI-4, NTSC/PAL, BNC jacks 750 hm 30 Au
- 1x USB port (Version1.1)
- 4x PTZ two pin Controllers
- Audio In (Analog) 3.5" jack
- RS485, 2 pin Terminal box, (used for Modbus)
- 60 Dry Contact Inputs

Expansion Ports

- 4x individual RJ-45 expansion ports
- allows for quad directional
- placement
- 115.2K BPS data transfer rate
- Simultaneous functionality between
- expansion ports & RS485 port
- threshold status

Network Interface

- 1 Standard 10/100 Base-T Ethernet RJ-45 port

Status Indication

- LED indication for Power
- LED for Network Connectivity
- LED for sensor online and threshold status

Operating Environment

- Temperature : Min. -35° C - Max. +55° C
- Humidity : Min. 20% - Max. 80% (Non-Condensing)

MTBF

- 400,000 Hours

Expansion Modules

- 8 Port Intelligent Sensors Module (E-sensor8)
- 16 Port Dry Contacts Module (E-opto16)
- Extendable up to 1,000 Feet or 300 meters
- Expansion modules are daisy chainable

Mounting

- Rack mount brackets included
- Compatible with AKCP's DIN and rackmount trays

Output

- Ext. Speaker Out, 3.5" jack (Analog)
- Mic Out, 3.5" jack (Analog)
- (for modem application)

Components

- Manufactured using highly integrated, low power surface mount technology to ensure long term reliability.
- 32-bit Xscale PXA270, 520 MHz Processor
- 8 MB Flash memory
- 128 MB SDRAM
- Internal on-board 2 GB SD Memory Slot Drive + Card

Support and Warranty

- One year limited warranty, Optional 2 year warranty.
- Unlimited lifetime support.
- Including all firmware updates
- Includes full, easy to understand documentation.

ntact _Sales@akcp.com_