

SP2+ sensorProbe2+



AKCess Pro Server Software Free with all AKCP hardware

Take control of your data center power distribution, sensor monitoring, access control and security cameras. All from a single piece of software.

Create custom maps of data rooms. Overlay power outlets, environmental sensors, access points and security cameras.

Deploy a hierarchy of redundant notifications using SMS, Email or relay actions to trigger corrective action. Monitor cabinet security and record video events of unauthorized cabinet entry attempts and more...

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SP2+ sensorProbe2+

SP2+ is a complete redesign of the world's best-selling environmental monitoring platform 3 years in the making with all new hardware and software.

We've combined the low cost and simplicity of use of the SP2 along with many advanced features of our securityProbe platform.

- IP based, supports all major communications protocols
- Supports new Thermal Map Sensors
- Thermal Map combines 4 sensors into one sensor port on the SP2+
- Use the Thermal Map sensors to find hot spots in your data center
- Send SNMP Trap and Email Notifications (*and more...*)
- Supports 4 Intelligent Sensors, up to 20 Dry Contact Inputs
- User configurable sensor thresholds

Environmental monitoring (sensors sold separately)

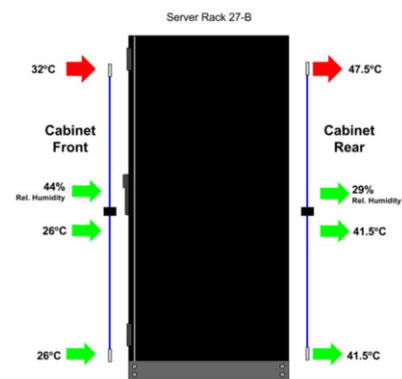
- Monitor temperature, humidity, air flow, dry contacts and more...
- Sensors and Access Control devices SNMP addressable
- Monitor up to 4 rack air inlets using the Thermal Map Sensors, providing run time analyses, lower energy costs and prevent downtime
- Features SNMPv3, HTTPS and Encrypted Email



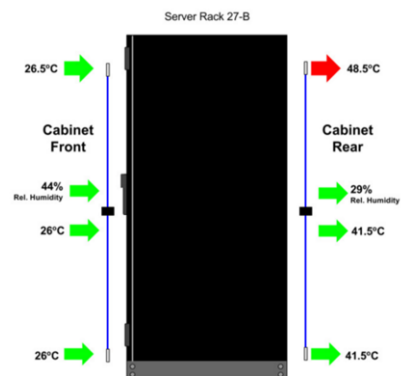
Thermal Map Sensors – (sensor sold separately)

The Thermal Map combines 4 sensors into one sensor port on the SP2+.
Specially designed to monitor the air entering and leaving computer racks

- Monitor up to 4 rack air inlets per SP2+ using the Thermal Map Sensors, providing run time analyses, lowering energy costs and preventing downtime
- Monitor the critical cooling capacity within computer racks in real time with the SP2+ & Thermal Map Sensors
- Use the Thermal Map sensors to locate and track hot spots in your data center



High inlet air temperature indicating hot spots in the server room.



Thermal Map showing a critical alert status on the exit air temperature.

Additional standard features include:

- Use the built in 'Continuous Time' feature to eliminate false alerts and notifications
- 100MB Full Duplex Ethernet port & low-power operating mode
- Intelligent Sensor connectivity – environmental, power, security and specialized
- No data loss during network outages
- Integrates with existing network management systems
- Works over Ethernet and Cellular Networks
- Notification suites for automating corrective actions
- Power cycle remotely via software and hardware relays
- Trigger recording events based on sensor threshold changes such as High Warning, High Critical, No Voltage, Water leaks and more...
- Seamless integration with AKCP's AKCess Pro Server Central Management Software

Optional features:

- Trigger recording events based on sensor threshold changes such as access granted, cabinet open, held open and more...
- On-board cellular modem with external antenna
- Configuration to change 1 sensor port into an expansion port
- SNMPv3
- VPN
- 5 Dry Contact inputs or outputs per sensor port

Technical Specifications

Dimension	Size : 4.5" x 2.5" x 1.25" Weight : 0.3 Kg
RJ-45 Ports	4 RJ-45 Ports for connecting AKCess Pro Sensors Up to 20 Dry Contact Inputs Optional RJ-45 Expansion Port
Mounting	0u rack-mount, or hanging Compatible with AKCP's DIN Clips
Power Requirements	Voltage : 12 VDC, 2Amp Voltage : 12 VDC, 1Amp (for the basic version)
Status Indication	LED indication for power LED for network connectivity LED for sensor online and threshold status
Components	Manufactured using highly integrated, low power surface mount technology to ensure long term reliability. AKCP STM32F4 MCU 8 MB to 16MB Flash Memory
Operating Environment	Temperature : Min. -35° C - Max.80° C Humidity : Min. 20% - Max. 80% (Non-Condensing)
MTBF	1,400,000 Hours
Inputs	4x RJ-45 Sensor Ports for connecting AKCess Pro sensors* 1x RJ45 Ethernet 10/100 <i>* 1 sensor port can be used as expansion port (on SP2+X version)</i>
Outputs	Configurable output signals (0VDC/5VDC) on any of the 4 RJ-45 sensor ports
Optional Expansion Capabilities	See above <i>* 1 sensor port can be used as expansion port (on SP2+X version)</i>
Maximum Number of Users	10,000 users. 100 users default.