

Server Technology Data Sheet

SNMP and API (Sentry Power Manager) Integrations

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Server Technology's intelligent Smart and Switched Rack Power Distribution Units (PDUs) provide outlet control and information via SNMP including system information, status, capacity, power, and thresholds for PDU in-feed and outlets along with environmental monitoring information, and event alerts. These variables accessible via SNMP are organized in hierarchies. These hierarchies, and other metadata (such as type and description of the variable) are described in our MIB (Management Information Bases) and OID (Object-ID Tree) posted in our technical library at:

<http://www.servertech.com/support/sentry-mib-oid-tree-downloads>

Version 7.0 (8.0 for PRO2) firmware supports all power parameters within SNMP including our POPS (Per Outlet Power Sensing) power information.

SNMP integrations are an open source tool for integration with Server Technology's PDUs. Support is available to assist your organization should there be any questions.

Server Technology SNMP and API Integration Partners

Partner	System	Integration Type*
ABB	Decathlon	SNMP
CA Technologies (Cassatt)	CA DCIM	SNMP
CommScope	iTRACS	SNMP
Device 42	Device 42	SNMP
Emerson/Avocent	Trellis, N-Form, DS View, Rack Power Manager	SNMP
FieldView Solutions	FieldView	SNMP
Future Facilities	6Sigma	SNMP
HP Enterprise	Insight Dynamics and Insight Control	SNMP
IBM Active Energy Manager	Active Energy Manager (AEM/Plug-in to Tivoli)	SNMP
JouleX (Cisco purchased in 2013)	Energy Manager	SNMP
Microsoft	Autopilot	SNMP
Miranda Technologies	iControl	SNMP
Modius	Open Data	SNMP
No Limits Software	RaMP	SNMP
OSI Soft	PI System	SNMP
Paessler	PRTG	SNMP
Panduit	Physical Infrastructure Manager (PIM)	SNMP
Power Analytics (formerly EDSA)	Paladin Live and Smart Grid	SNMP
Rackwise	RACKWISE DCIM X	SNMP
Sentilla (Ericsson)	Sentilla Energy Manager	SNMP
SolarWinds	SolarWinds	SNMP
Tier 44	EM/8	SNMP
Viridity	EnergyCenter	SNMP
Visual Data Center	Visual Data Center	SNMP

*SPM is required for API integration

Sentry Power Manager Application Programming Interface (API) Integration with DCIM/BMS Systems:

- 1) Well documented and installed at multiple locations connecting to a number of different systems BMS (Building Management System), DCIM (Data Center Infrastructure Management) and Large System Suppliers.
- 2) Standard XML based tools such as SOAP or REST.

Why you need SPM:

- 1) How will your technicians support a large number of PDUs? It does not make sense to do query or update via each individual PDUs IP address.
- 2) Based on an IP range, SPM will go out and discover all STI Rack Power Distribution Units (PDUs) and bring them into a central system for monitoring, management & control.
- 3) The SPM appliance can also act as the ftp server and the user can schedule automatic PDU firmware updates – saving a huge amount of time and money.
- 4) SPM can put PDUs into maintenance mode where SPM will ignore all faults and alarms during fault or other testing.
- 5) SPM provides one central location where specific PDU configuration parameters can be set or where the user can easily jump into the PDU's interface for other setup and configuration work.
- 6) API is the best way to deliver the large amounts of information provided by our POPS (Per Outlet Power Sensing) units to other systems versus trying to handle literally thousands of data points via SNMP.

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Why you need SPM (cont.):

- 7) Specific power and environmental reports, trends, and predictive trending.
- 8) Email alerts and notifications of problems.
- 9) SNAP configuration tool helps to ensure plug and play operation by automatically setting key configuration items like network and system settings.

Reasons why you need a DCIM solution:

- 1) Provides the user the “single pane of glass” view they want within their data center.
- 2) Many DCIM systems can communicate with all of the other devices and systems within your facility including UPSs, floor PDUs, CRAC units and others.
- 3) You can input power and environmental information from the PDUs but not reinvent the wheel for discovery, inventory, configuration, upgrades and support of the STI PDUs which can all be done within SPM.
- 4) All of the other great things that these systems do but SPM doesn't.

Partner	System	Integration Type
Cormant	Cable Solve	API
CrestPoint Solutions	FM&E (Facility Management and Engineering)	API
FieldView Solutions	FieldView	API
Integrated Building Solutions	IBIS (Intelligent Building Information Systems)	API
Modlus	Open Data	API
Nlyte	Nlyte 7	API
No Limits Software	RaMP	API
RF Code	CenterScope v1.1	API
Siemens	WinPM.net	API
Spearhead	Spearhead	API
Splunk	Splunk Enterprise	API via App
Tier 44	EM/8	API
Trackit Solutions	Trackit Enterprise	API

*SPM is required for API integration

If you are interested in doing an SNMP or API integration with Server Technology's PDUs or SPM Software please contact support@servertech.com.

Additionally, PDUs or SPM systems can be posted via an IP address for your integration verification and testing.



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