PYTHIA TECHNOLOGIES

PROTOCOL GATEWAY · MS0-BS

Show your building automation data to SNMP monitoring.

The MS0-BS converts BACnet/IP and BACnet MS/TP to SNMP. Building automation points and alarms become SNMP objects, so the NOC and IT monitoring tools see building conditions where they already look.



IP + MS/TP
BACnet on Ethernet or on an RS-485 MS/TP trunk

10
monitoring clients can read from one gateway

v2c + v3
SNMP, including SNMPv3 authentication and privacy

–40 to 85 °C
industrial DIN-rail gateway, 10–30 VDC or 24 VAC

HOW IT CONNECTS



IP and MS/TP
BACnet over Ethernet or over an MS/TP trunk.

SNMP for IT
Building data shows up in the tools the NOC already uses.

Browser setup
Secure web interface, DHCP or static IP. Nothing to install.

Up to 10 clients
Several monitoring tools can read the same gateway.

WHAT IT DOES

BACnet points, as SNMP objects.

Building automation runs on BACnet. Many NOCs and IT monitoring platforms only speak SNMP. The MS0-BS reads BACnet points and serves them as SNMP objects, with traps for alarms.

BACnet/IP and MS/TP

Connects over Ethernet, or to an MS/TP trunk on a hardened RS-485 port at 9600 to 76800 baud.

SNMP for monitoring

BAS points become SNMP objects, over SNMPv2c or SNMPv3 with authentication and privacy.

Traps for alarms

Trap destinations and triggers are set in the gateway, so building alarms reach the NOC right away.

Up to 10 clients

Several monitoring tools can read the same gateway. Two clients are enabled by default.

Browser setup

Configured from a secure web interface, with DHCP or a static IP address.

Industrial build

DIN-rail housing rated −40 to 85 °C, with an isolated Ethernet port and LEDs for power, LAN and serial traffic.

WHERE IT'S USED

NOC

Building alarms in the NOC

Surface BACnet building data and alarms in an SNMP monitoring platform.

COOLING

Cooling and environment

Let the network team see cooling and environmental alarms as they happen.

IT TEAMS

No BAS access needed

Show building conditions to IT without giving them access to the BAS itself.

SPECIFICATIONS

PROTOCOLS	
Building	BACnet/IP and BACnet MS/TP
Network	SNMPv2c and SNMPv3
Alarms	SNMP traps to the destinations you set
Clients	Up to 10 (2 by default)

CONNECTIONS	
Serial	MS/TP on hardened RS-485, 3-wire (+, −, ground); 9600–76800 baud
Network	10/100 Ethernet, RJ45, 2 kV isolation; DHCP or static IP
Setup	Secure web interface; no software to install

POWER AND ENVIRONMENT	
Power	10–30 VDC or 24 VAC
Supplies	Optional DIN-rail supplies: 120 VAC to 24 VDC, and 24 VAC
Environment	−40 to 85 °C
Humidity	5–90% RH, non-condensing
Size	100 × 70 × 60 mm (H × W × D); DIN-rail

INDICATORS	
LEDs	Power, LAN, and serial transmit and receive

Specifications are subject to change.

Need Modbus instead?

MS0-MS: Modbus RTU and TCP to SNMP, for power and cooling equipment.

Modbus to BACnet

MS0-MB: Modbus RTU and TCP to BACnet/IP, for the BMS.

Serial to Ethernet

MS0-MBT: Modbus RTU to Modbus TCP, no translation needed.

Show your building data to SNMP monitoring.

Contact us for pricing or to talk through your application.

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