

Site Management

# MoRE SitePOD Edge Server

MoRE SitePOD is the new unit for the control of remote transmission sites.

It allows the on-site management of the equipment using SNMP as well as any other standard or proprietary protocol (for example GPIO, RS232, RS485, HTTP, FTP, Telnet, SOAP, REST, Corba, ModBus, MQTT, WMI and many more...).

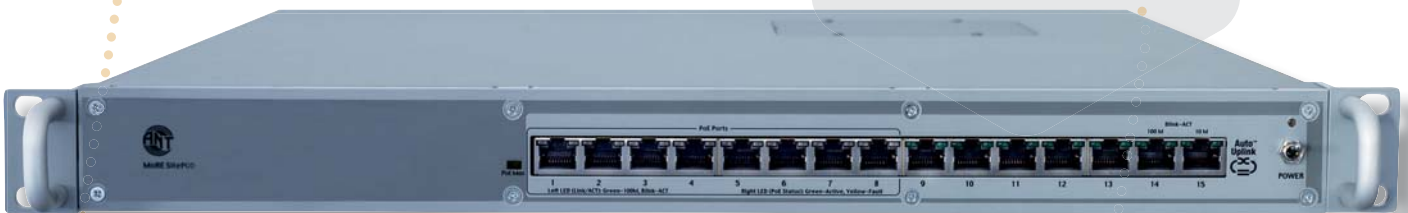
The SitePOD is the master at the site: it interfaces any equipment, in real-time so it allows to detect micro interruptions.

One of the major features is the local software named "SitePOD" that allows a more efficient distribution of the NMS workload installed at the NOC.

In addition, to drastically reducing the communication bandwidth needed, it also allows to work with unstable or absent connection automatically storing all the operational data of the equipment under control and sending them to the Central Control as soon as the communication is restored.

This will allow to use the data collected during the time of communication loss and making possible to generate statistics and accurate performances.

A user-friendly on-board dashboard allows an easy management of the devices on site. So, the technicians don't need to use any laptop or other PC to check locally the status of the site.



INTELLIGENCE ON THE EDGE

## INTERFACES

- 8 x PoE 802.3af compliant + 7 Cat-5 RJ45 10/100 Mbit/s LAN ports
- 1 x RJ45 10/100Mbit/s WAN port
- 3 x 9 PIN SUB D male connectors for RS232/422/485 2 USB 2.0 ports
- 1 x Indicator LED

## NETWORKING

- DHCP automatic IP addressing in LAN network
- NAP/PAT IP address and port translation
- Firewall filtering of addresses, ports, protocols
- VRRP virtual backup router function
- DynDNS client access to the dynamic IP address
- VLAN 802.1Q virtual LAN
- QoS quality of service
- PPPoE Bridge PPP over Ethernet Bridge mode
- Dial-in communicate over dial CSD call
- NTP client, NTP server time synchronization

## FEATURES

- 4G/LTE (Cat 4), 3G, 2G connection with VPN
- SNMP Local polling and data storage
- Detect even temporary micro-interruptions
- Internal UPS (with minimum 2 hours of battery back-up)
- Allows remote firmware upgrade for all Equipment
- Accurate performance even with unstable connection
- Power over Ethernet (PoE) Switch
- Unlimited SNMP GPIs and GPOs
- 19" - 1 Rack Unit (depth 425 mm)



## ORDERING CODES

- MORE-LSP MoRE SitePOD (PoE) concentrator
- MORE-LSP-4G MoRE SitePOD (PoE) concentrator with 4G/LTE Modem Router

Software Suite

# SitePOD

Intelligence on the Edge

SitePOD gateway takes care of all the devices on the site: it can acquire, store, process and visualize data using the whole power available even recording events when it is not connected to the network and as soon as it is available, it sends the data back to the NOC to ensure precise and reliable statistics.

It's designed when it's necessary to monitor, supervise and control many remote facilities such as telecom/broadcast towers, high-throughput systems, pump stations, electrical transformers. A system based on edge servers introduces fully centralized control, easy upgrading and advanced change management for thousands of facilities.

The SitePOD software acts as main element of the distributed architecture of the NetPOD EVO platform: devices assigned, their monitoring configuration and all the control logics are created and carried out directly by the central NetPOD.

The whole monitoring phase takes place locally, SitePOD cyclically continues to poll the machines and then sends back to the NetPOD computed information in a quick and secure way.

SitePOD is embedded into the MoRE-S appliance but can also be provided to be installed on customer's computers.



## FEATURES

- Compatible with any x64 Windows OS platform (embedded editions included)
- Data normalization and data ingestion
- Server communications using secure protocols
- Device-side data buffering during the server disconnection
- Managing "Remote Firmware Upgrades" of equipment
- Traps Storage
- Enhanced OID polling with local IEP intelligent event processor
- Local automation to manage equipment connected
- Managing unlimited GPI/O as well as many different probes through SNMP
- Custom implementation of the device protocol is possible