

Wireless networks

Voice over IP

MGE provides you with complete solutions for protecting your critical network applications

Enterprise IT networks are undergoing major changes. One of these developments is Voice over IP (VoIP) telephone technology which requires the same availability and voice quality as conventional telephones. In addition, Power over Ethernet (PoE) technology can be used to supply IP network equipment such as IP telephones and WiFi access points using the existing local network cables.

This technology has two advantages:

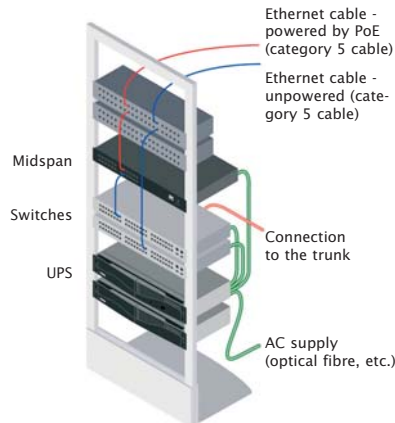
- It provides a more practical, cheaper supply for the equipment connected
- The supply to the whole installation can be protected centrally directly from the switch/distribution enclosure.

Power over Ethernet can be installed in two ways:

- Using a PoE midspan system
 - Using PoE Ethernet switches
- Both solutions comply with IEEE 802.3af which ensures interoperability between the various terminal suppliers.

When supplied by a UPS, both solutions provide a level of availability and reliability equivalent to conventional switched telephone networks, but with all the advantages of IP telephony.

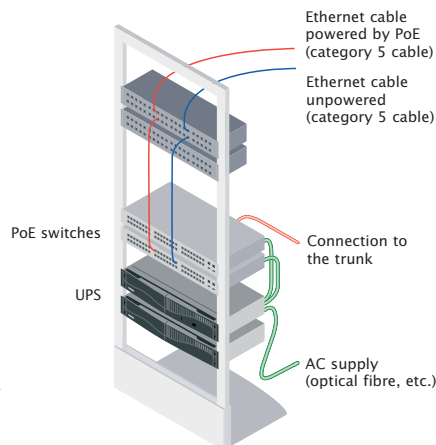
PoE midspan solution



Network rack in a data/communications centre

The midspan unit can be installed between a standard Ethernet switch and the terminals without modifying the existing wiring. It is the ideal solution for updating equipment: quick and easy to install, improved continuity of service, cheaper than adding new PoE switches. This solution improves the availability of critical applications even further when used with remote supervision of the midspan and the UPS.

Ethernet PoE switch solution



Network rack in a data/communications centre

The PoE switches incorporate Power over Ethernet technology to provide a DC supply on the Ethernet ports. This solution is the most suitable when installing a new switch.

To ensure total availability, MGE Office Protection Systems provides a solution that is:

- reliable:** a Power over Ethernet system protected by a UPS eliminates power cuts and ensures that the IP telephone network is always available.
- economical:** power is supplied to the equipment connected to the IP network over the existing wiring.
- simple to install:** "plug and play" installation.



M G E

Office Protection Systems

An Eaton Brand

Wireless networks - Voice over IP

UPS

High availability supply

- On-Line Double Conversion technology is the most effective.

Long backup time

- between 1/2 hour and 4 hours backup time and more if required.
- Compatible with 600 mm rack enclosures up to 3 kVA.
- Easy to build into network enclosures.

Remote management

- Easy to integrate into enterprise networks.

Midspan

Universal

- Compatible with more than 120 different DTEs.
- SNMP supervision.
- 100% IEEE 802.3af compatible.

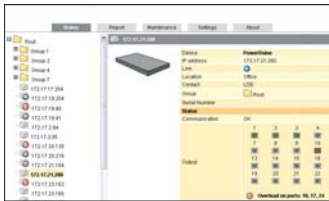
Plug and play installation

- No configuration required.
- Intelligent PoE terminal detection.

Compact

- 24 ports in 1U rack mounted unit.

Supervision



Using Enterprise Power Manager[®]:

- auto-detection of midspans
- status and alarms from the main page with level of criticality
- direct access to the midspan page for more information

* only for "Midspan 24 NM2"

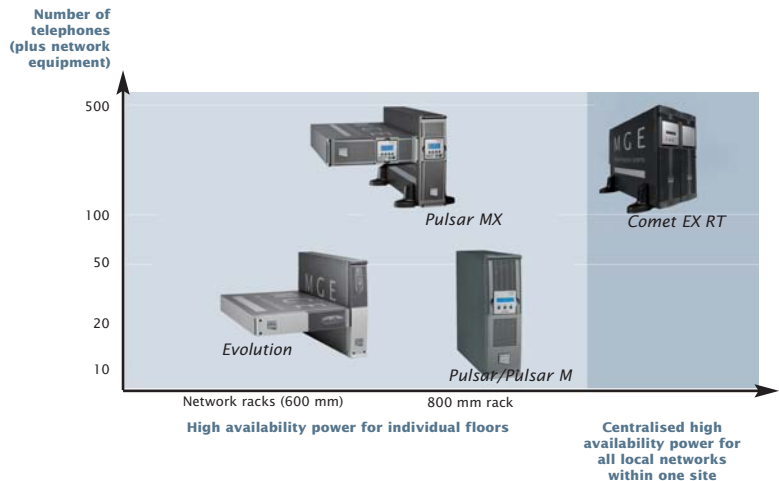
Customer Service & Support

2 year guarantee for the midspan.

Associated services⁽¹⁾

- Warranty+: extended 3 year guarantee for the whole system.

1: Depending on the country, visit www.mgeops.com



Unique: Crisis Management for PoE

UPS communicates with Midspan (NM2 version) via network and launches pre-defined actions. In case of a power failure the Midspan NM2 can shutdown non-priority PoE ports to increase the availability of critical ports.

Technical characteristics

	Midspan 24	Midspan 24 NM2
Ethernet network		Category 5/5e/6
Number of ports		24
Data rate		10/100 Mbps
PoE outputs		
output voltage		48 VDC
rating per RJ45 port		15.4 W max.
total rating available		200 W
Input supply		
voltage/frequency		90 to 264 VAC / 47 to 63 Hz
current		4 A at 110 VAC / 2 A at 220 VAC
Connectors		RJ45 screened
On-unit monitoring		on front panel, by LED
Indicators		system status - AC supply (green/orange LEDs) supply to RJ45 ports - (green/orange LEDs)
Remote supervision		Midspan 24 NM2 + "Enterprise Power Manager" software
Dimensions and Weight		
Dimensions (H x W x D)		4.4 cm (1U) x 43.8 x 27.1 cm
Weight		4.6 kg
Operating conditions		
Temperature		0 to 40°C
Relative humidity		90% maximum
Altitude		- 300 to 3000 m
Storage conditions		
Temperature		- 20 to 70° C
Relative humidity		95% maximum
Conformity		CE
Electromagnetic compatibility		FCC part 15, class B with FTP cable EN 55022 (CISPR 22), class B with FTP cable EN 55024 (CISPR 24)
Approvals		UL/cUL to EN60950 GS Mark to EN60950

Part numbers

MGE Midspan PoE 24 Ports		
without management	Midspan 24	66891
with SNMP management	Midspan 24 NM	66897
Warranty+	3 year extended guarantee	66814