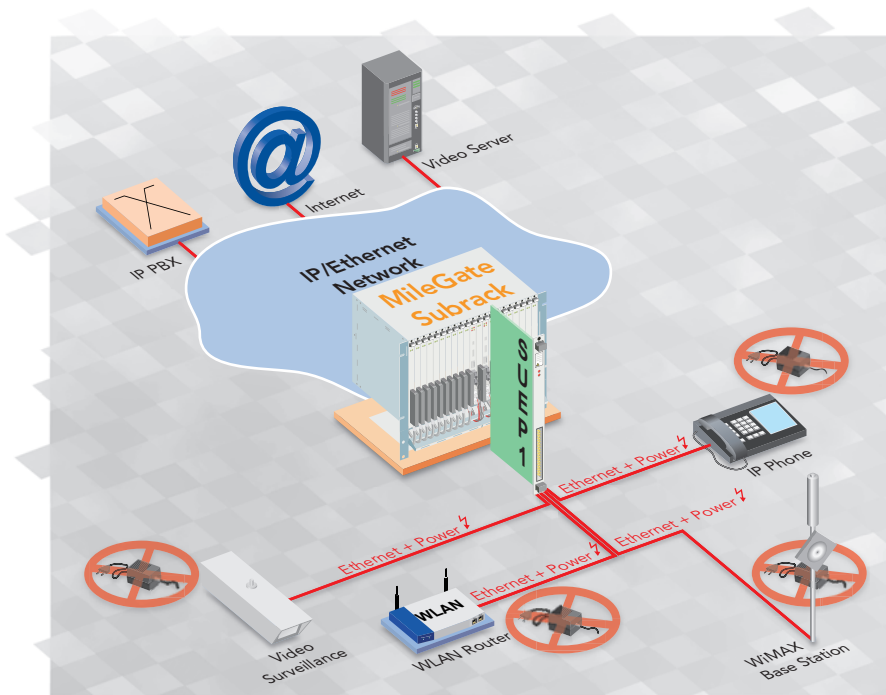


MileGate SUEP1

SUEP1 provides Power over Ethernet Plus (PoE+) and switching functionality in the MileGate platform



- 8 x 10/100BaseT Ethernet
- 6 x 10/100BaseT ports with support of PoE
- Advanced Layer 2 switching functionalities
- For MileGate 2500, 2510, 2300 and 2310
- Designed for indoor and outdoor usage
- All functions from one network management system

Generic PoE Application with MileGate SUEP1

The Ethernet unit SUEP1 provides 8 electrical Ethernet interfaces with advanced switching functionality; 6 out of these 8 ports support Power over Ethernet.

The SUEP1 unit capability to distribute power over the Ethernet cable together with its switching capability makes it particularly suitable for addressing the needs for Ethernet connectivity on locations where powering facilities are not easily accessible.

■ Power over Ethernet Plus in MileGate

On many locations, Ethernet connections must be provided to a variety of devices like video cameras, IP telephones, access systems, wireless access points, and so forth.

Sometimes, providing a power outlet to these devices would imply additional investment to get the infrastructure in place. In these cases, having the power

delivered to the devices using the Ethernet cable is of great advantage.

Additional to providing power without the need for additional infrastructure, PoE installations also allow having a single centralized backup system in the case of power failure.

The backup for the telecommunication equipment also serves as the backup for all the devices powered by it.

Some of the applications that can be served by PoE capabilities are the following:

- ▣ Video Surveillance
- ▣ Security access control
- ▣ Voice over IP telephony
- ▣ Local wireless networks (WiFi Hotspots, WIMAX)
- ▣ Industrial automation

SUEP1 provides an embedded PoE and PoE+ capability in order to solve the issue of lack of powering infrastructure, plus the advantage to make installations of this type a lot faster.

SUEP1 supplies power with four independent power supplies. The four power supplies lead to different roles of the ports:

- ▣ 2 ports for indoor and outdoor applications and a maximum power feeding of 15.4 W.
- ▣ 2 pairs of ports which share a slightly more powerful power supply so that one port of that pair may drain up to 27 W. Both ports together may supply up to 31 W.

■ Layer 2 functionalities with SUEP1

In addition, SUEP1 provides advanced Layer 2 functionalities including traffic prioritization,

VLAN tagging, VLAN tag stacking, and TLS services, being an integral part of the MileGate platform.

Ethernet services aggregated on SUEP1 can also take advantage of the different functionalities available on the MileGate platform.

■ Management System

The MileGate management and the variety of services are administered centrally by MCST/UNEM. Operators save costs and accelerate the provisioning process with only one element manager for all service types.

Technical Data

| | |
|---------------------------------|--|
| General | |
| Ports | 6 x 10/100BaseT ports with PoE (RJ45 based connectors) 2 x 10/100BaseT ports without PoE (SFP based connectors) |
| Power over Ethernet | |
| PoE | 802.3af |
| PoE+ | 802.3at, max. 2 ports with up to 60W total |
| Layer 2 Features | |
| VLAN support | VLAN tagging (IEEE 802.1Q), port-based VLAN Q-in-Q (IEEE 802.1 ad) |
| Class of service | CoS (IEEE 802.1p) |
| Management | |
| MCST | For local management |
| UNEM | For central management |
| Power Supply | |
| Input voltage nominal (min/max) | -48/-60VDC (-40.5VDC ... -72VDC) |
| Operation Environment | |
| Temperature range and humidity | According to MileGate environmental specifications |



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