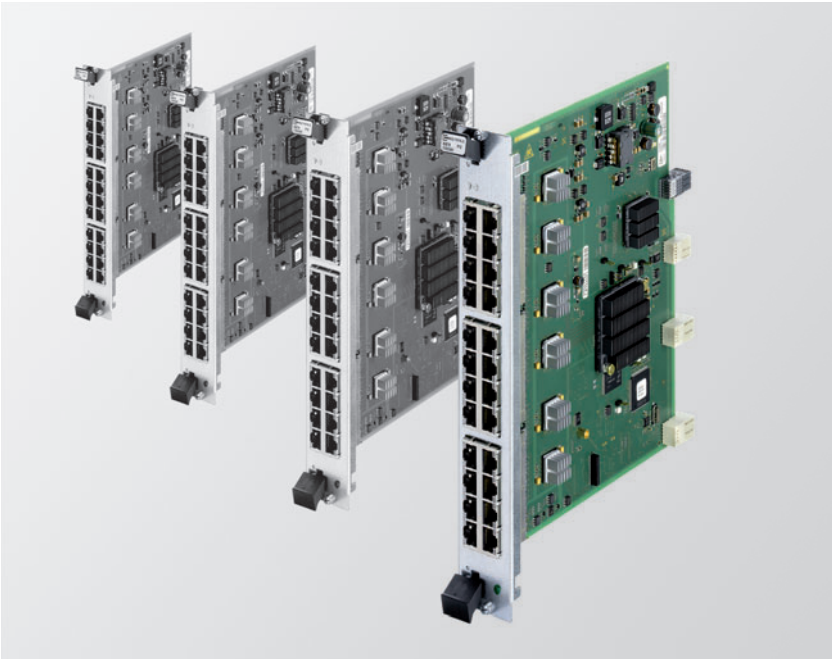


# MileGate SUE18

The high-density Ethernet unit provides 24 Gigabit Ethernet ports with advanced switching functionality



- 24 x 10/100/1000Mbps electrical Ethernet interfaces
- High port density with up to 240 interfaces per subrack
- For MileGate 2500 R1B, 2510, 2300 and 2310
- 1 or 10Gbps access to the backplane
- Advanced Layer 2 switching functionalities
- For indoor and outdoor deployment
- All functions managed out of one network management system

The SUE18 Ethernet unit provides 24 electrical Gigabit Ethernet interfaces with comprehensive features and high standards for applications that require a reliable data transmission. The SUE18 may be used for various services as LAN interconnection or voice, and video transmission.

MileGate in conjunction with SUE18 acts as a modular Ethernet switch with powerful switching capacity. With it, you can start with a small installation and expand the switch flexibly from 24 up to 240 interfaces.

## ■ High-speed Ethernet

SUE18 provides high bandwidths of up to 1000Mbps via standard RJ45 connectors. Each of the electrical Ethernet interfaces can be configured individually.

With the unit high-density Ethernet access notes can be realised. With its the 10 GbE Backplane access, sufficient bandwidth can be delivered for each port. So a wide range of Ethernet applications can be realised, from standard LAN connections up to mission-critical Ethernet data transmission.

With MileGate and SUE18 your network today will be perfectly equipped, also for future bandwidth challenges.

## ■ Advanced Ethernet Functionalities

SUE18 delivers advanced Ethernet functionalities such as traffic prioritization, VLAN tagging, and Transparent LAN Services services to be provided within the MileGate platform.

Ethernet services aggregated on SUE18 can also take advantage of the different MileGate multi-service capabilities and the

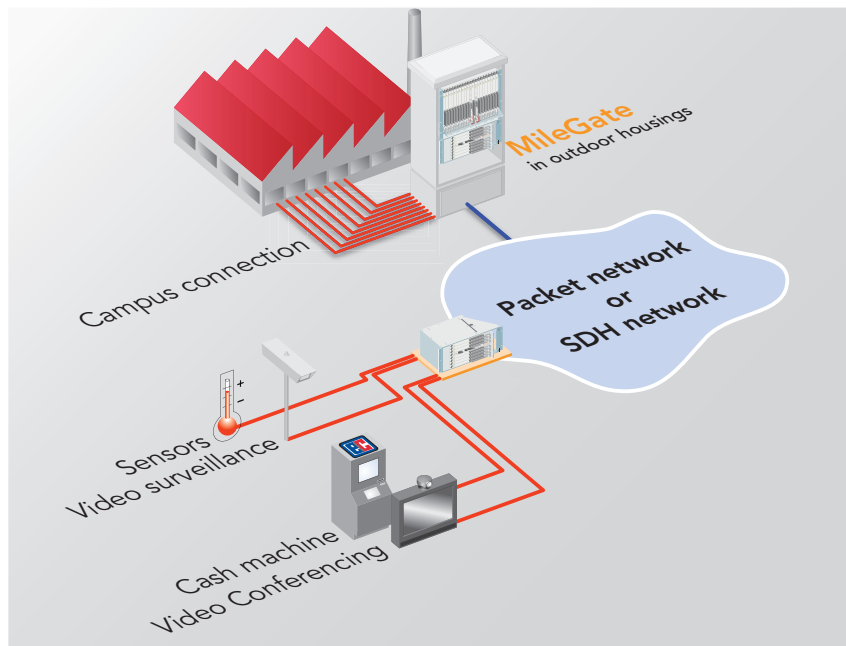
variety of interfaces and transport technologies, e.g. optical and electrical Ethernet and the SDH uplink via Ethernet over SDH.

### ■ Safety Concept

MileGate offers reliability with carrier-grade quality. For this purpose all modules come with an onboard power supply. In addition, highest availability can be achieved with a redundant core unit.

### ■ Management System

The MileGate management and the variety of services are administered centrally by a variety of network management interfaces (CLI/SNMP) or MCST/UNEM. Operators save costs and accelerate the provisioning process with only one element manager for all services.



Applications with MileGate and SUE18

## Technical Data

Data Transmission	
Number of ports	24 x 10/100/1000Mbps
EFM (Ethernet in the First Mile)	According to IEEE 802.3ah
Connector	RJ45
Ethernet Functionality	
Supported protocols	PPPoE PPPoE Intermediate Agent acc. to DSL Forum TR-101 and IETF RFC 2516 IPoE DHCP Option 82 according to IETF RFC 2131, RFC 3046
VLAN	VLAN tagging (IEEE 802.1Q), port-based VLANs Modes 1:1 or n:1 Double Tag VLANs (Q-in-Q) according to 802.1ad CoS (IEEE 802.1p)
Multicasting	IGMP v2/v3
Class of service	CoS (IEEE 802.1p)
Further Hardware Information	
MTBF	50 years at 35° C
Module width	2 Slots
Management	
MCST	For local management
UNEM	For central management
Power Supply	
Input voltage nominal (min/max)	-48/-60 V DC (-40.5 V DC ... -72 V DC)
Operation Environment	
Temperature range and humidity	According to MileGate environmental specifications



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or contact us: [info@keymile.com](mailto:info@keymile.com) ...