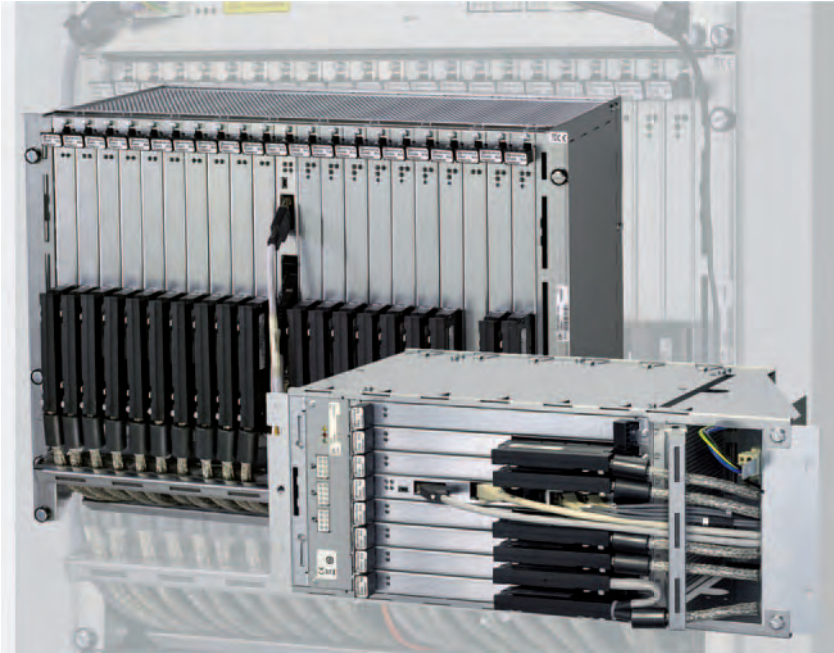


# MileGate 2500 and 2300

Subracks of the Multi-Service Access Platform for NGN and legacy services out of one network element



MileGate 2500 (left) and MileGate 2300

- Two subrack sizes for different kinds of installation
- Wide range of xDSL interfaces
- Wide range of voice services
- Enables 1:1 redundancy of core unit and media gateways
- Native TDM and Ethernet out of one network element
- Designed for indoor and outdoor deployment
- All functions via one network management system

The subracks MileGate 2500 and MileGate 2300 provide comprehensive multi-service capabilities in a compact chassis.

Reliability, compact mechanical construction and flexibility were in the foreground of development activities. The subracks are designed for implementation in rough environmental conditions and can be deployed in outdoor cabinets. The core unit and the media gateways are designed for redundant operation to guarantee maximum availability.

## ■ MileGate

Due to its unique hybrid backplane MileGate integrates traditional and NGN services in one network element. This way a simple and cost-effective migration is achieved. Legacy services like POTS/ISDN are combined with NGN services for Triple Play and business applications (ADSL2plus, VDSL2, SHDSL, optical Ethernet, etc.) in a single network element and uplinked to the backbone via GbE or  $n \times E1$  interfaces.

All services provided by MileGate can be mixed in any way.

For maximum flexibility with voice services, VoIP media gateways (SIP or H.248) and traditional V5.2 interfaces are available.

For maximum flexibility with data services, a wide range of legacy data interfaces such as X.21, V.35, V.36 and G.703 are available and they can be transported over the Packet Switched Network with the CESoP gateway unit.

### ■ MileGate 2500

This subrack offers 21 slots, 20 can be allocated with service line cards. It is designed for major access points, where a large number of subscribers are connected with different services. With its enhanced port density, up to 864 POTS, 960 ADSL2plus or 640 VDSL2 or 480 optical Ethernet customer ports can be provided out of one MileGate 2500, improving operator's CAPEX and OPEX.

### ■ MileGate 2300

This subrack offers 8 slots, 7 can be allocated with service line cards. It is designed for mid-size access points. It can be installed horizontal or upright as well as

wall-mounted in equipment rooms in buildings or in street cabinets. Up to 288 POTS, 336 ADSL2plus or 224 VDSL2 or 168 optical Ethernet customer ports can be provided out of one MileGate 2300.

### ■ Safety/Redundancy

To achieve maximum availability, two core units and media gateways can be installed in every subrack. They exchange the configuration data of the services in the MIB (Management Information Base) automatically, thus in case of failure the stand-by unit can assume operation easily. This way the breakdown time, where services are not available, is reduced to a minimum.

MileGate uses distributed powering concept with onboard power supplies on each line card, gateway etc. This eliminates the risk of total breakdown caused by a failure in a central power supply.

For integration of external alarms, MileGate 2500 provides 12 alarm inputs and 2 alarm outputs via the fan unit that are monitored with the network management system.

### ■ Management

All services are managed centrally via the management system (UNEM) or via local management access (CLI, XML, SNMP).

## Technical Data

General	MileGate 2500	MileGate 2300
Number of slots (for service line cards)	Up to 20	Up to 7
Slots for COGE1 with redundancy	Max. 2	Max. 2
Slots for media gateways with redundancy	Max. 2	Max. 2
Supported FAN unit	FANU4	FANU6
Features	MileGate 2500	MileGate 2300
System architecture	Fully modular architecture, any service at any slot	
Protective functions	Core unit and media gateway with 1:1 module redundancy	
Dimensions (W x D x H) and Weights	MileGate 2500	MileGate 2300*
Unit height (* at horizontal installation)	8 HU (with cable tray)	4 HU
Without front cover	482.6 x 284 x 308.2mm, 6,440g	482.6 x 279.7 x 177mm, 4,450g
With front cover	482.6 x 286 x 308.2mm, 7,430g	482.6 x 283 x 177mm, 5,050g
Cable tray	482.6 x 240 x 87.1mm, 870g	Included with 19" adapter
Heat deflector	482.6 x 237 x 87.8mm, 1,580g	Not necessary
Type and design	19" and ETSI mounting	
Standards	MileGate 2500	MileGate 2300
Electromagnetic compatibility	EN 55022, class B	
Safety	IEC/EN 60950-1	
Management	MileGate 2500	MileGate 2300
MCST	For local management	
UNEM	For central network management	
Power Supply	MileGate 2500	MileGate 2300
Input voltage nominal (min/max)	-48/-60VDC (-40.5VDC ... -72VDC)	
Operation Environment	MileGate 2500	MileGate 2300
Operation temperature	-25°C ... +60°C	
Humidity	According to class 3.2, max. 95%, non condensing	



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