MileGate

MileGate 2200

Mini-DSLAM subrack for the cost-effective access in low density areas

MileGate 2200 Subrack

Features & Benefits

+ 2.2 HU subrack for the installation of up to 3 line cards, providing ADSL2plus, VDSL2, or GbE connections

+ Up to 144 VDSL2 connections for FTTC installations with a small footprint

+ Up to 72 optical GbE interfaces for FTTH/FTTB

+ Completely integrated in the system concept of MileGate, identical line cards as in MileGate 2510 or 2310

+ Designed for the operation in street cabinets

+ All functions from one network management system

MileGate 2200 is the ideal solution for the expansion of broadband services in low density areas. It offers up to 192 ADSL2plus, 144 VDSL2 (96 with vectoring) or 72 GbE ports. With MileGate 2200 modern services like VoIP, broadband Internet, VoD and IPTV via xDSL can be provided at access points with only a small number of customers. MileGate 2200 provides ultra high-speed bandwidth connections with up to 1,000 Mbps via electrical interfaces or optical fibre.

Overview

MileGate 2200 is designed for the operation in street cabinets. With its height of 94.8 mm (with horizontal mounting) it can be used for installations where space is limited. MileGate 2200, equipped with optical or electrical GbE, is also ideal for FTTH/

FTTB applications. Up to 3 line cards can be installed in addition to the core unit. MileGate 2200 uses the same line cards with access to the GbE star as in MileGate 2510 or 2310. It can be DC powered or AC powered with an integrated optional module offering redundant dual power DC supply input.

FTTC

MileGate 2200 can be equipped with up to 144 VDSL2 subscriber ports for the installation in street cabinets (Fibre to the Curb). For data rates of 100 Mbps in mass deployments 96 subscribers can be connected via VDSL2 with vectoring.

MileGate 2200

MileGate

ADSL2plus or optical/electrical Ethernet interfaces, e.g. for business services, can be installed alternatively or mixed.

FTTH/FTTB

MileGate 2200 supports also applications where the optical fibre is laid to the building (FTTB) or to the home (FTTH). In case of FTTB installations, VDSL2 with Profile 30a is used, providing data rates of up to 100 Mbps symmetrically. In FTTH applications up to 72 optical Ethernet interfaces can be realised, providing up to 1,000 Mbps per subscriber in point-to-point (P2P) operation.

Connection to the Backbone

MileGate 2200 is connected to the backbone directly via an aggregation node or via a central MileGate. For this purpose, the core unit provides two optical interfaces or two optical and three electrical interfaces. MileGate 2200 can also be operated in ring structures together with MileGate 2510 and 2310.

Management

The MileGate management is administered centrally via the network management interfaces UNEM or via local access (CLI, XML, SNMP).

Technical Data

General	
MileGate 2200	2.2 HU subrack for horizontal or vertical installation
Core units supported	COGE3, COGE6
Number of slots (for line cards)	3
Access to Ethernet-Backplane	1 GbE per slot
Fan unit supported	FANU8
System architecture	Fully modular
Line Cards supported	
SUVM6	48 port VDSL2 line card (VDSL2 over ISDN)
SUV11	48 port VDSL2 line card (VDSL2 over POTS)
SUV31	96 port VDSL2 line card (VDSL2 over POTS) with onboard Vectoring
SUV32	96 port VDSL2 line card (VDSL2 over ISDN) with onboard Vectoring
SUAD5	64 port ADSL2plus line card (ADSL2 over POTS)
SUE12	12 port GbE line card (optical/electrical, SFP modules)
SUE16	24 port GbE line card (optical P2P, SFF modules)
SUE18	24 port Gigabit Ethernet line card (electrical, RJ-45)
Dimensions (B x T x H)	
MileGate 2200	437 x 242 x 94.8 mm
Type and design	19" and ETSI
Standards	
Electromagnetic compatibility	EN 55022, class B
Safety	IEC/EN 60950-1
Management	
MCST	For local management
UNEM	For central network management
Power Supply	
DC input voltage nominal (min/max)	−48/−60 V (−39.5 V ... −72 V)
AC input voltage nominal (min/max)	85 ~ 264 V or 120 V ~ 370 V (with optional external module)
Operation Environment	
Operation temperature	−25 °C ... +60 °C
Humidity	According to class 3.2, max. 95 %, non condensing

DZS Americas
Global Headquarters
Plano, TX, USA

info@dzsi.com
www.DZSi.com

DZS Asia
Regional Headquarters
Seongnam-si, Gyeonggi-do, South Korea

info@dzsi.com
www.DZSi.com

DZS EMEA
Regional Headquarters
Hanover, Germany

info.emea@dzsi.com
www.DZSi.com