



X6100-M1

100 Gb OTN Muxponder

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- Features**
- High density 1 U OTN muxponder
 - 10 ports 10 Gb
 - 1 port 100 Gb
 - Loopback

Overview

X6100-M1 is high density 1 U 100 Gb OTN muxponder with 10 ports 10 Gb and 1 port 100 Gb, it is implemented using advanced ASIC SOC, and it is fully compliant with ITU-T standard, such as G.709, G.798, etc. X6100-M1 is suitable for Metro Access and Metro Aggregation optical transport networks.

Physical Characteristics

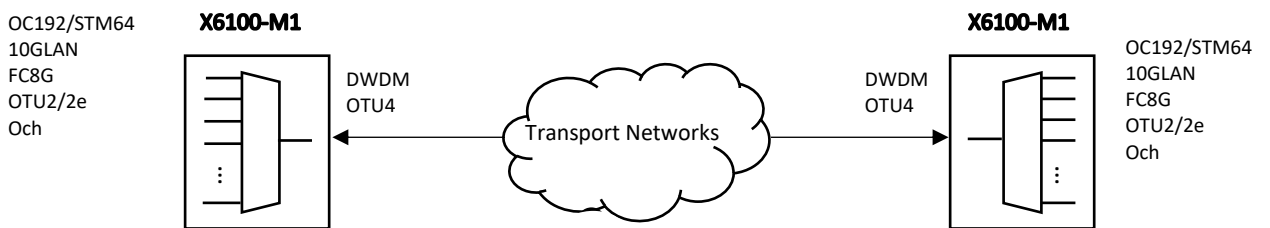
Characteristics	Description
Shelf Type and Dimensions (W x D x H) (mm)	440 x 435 x 44 (AC version) 440 x 245 x 44 (DC version)
Power Supply	Input 100~240 V, 47~63 Hz (AC) Input -40.5 V~-72 V (DC)
Power consumption	130 W with coherent CFP 110 W with grey CFP
Client Interface	10 SFP+ based 10 Gb ports (10 GbE LAN/WAN, STM-64/OC-192, FC8G, OTU2, OTU2e)
System Interface	One CFP based 100 Gb port (coherent CFP, 4 x 25 Gb DWDM CFP, grey CFP) DWDM/CWDM SFP+ based 10 Gb port
Environment	Working temperature: -5 °C~55 °C Storage temperature: -40 °C~70 °C Relative humidity: 10 %~90 %, no condensing

Technical Specification

Features	Description
System Side Signal and Multiplexing Structure	100 Gb Grey CFP: OTU4 <-> ODU4 <-> ODU2 or ODU2e or ODUflex
	100 Gb DWDM CFP: Och <-> OTU4 <-> ODU4 <-> ODU2 or ODU2e or ODUflex
	10 Gb grey SFP+: OTU2/OTU2e <-> ODU2/ODU2e
	10 Gb WDM SFP+: Och <-> OTU2/OTU2e <-> ODU2/ODU2e
Client Side Signal and Mapping Mode	OC-192/STM-64 (via AMP or BMP) <-> ODU2
	10GBASE-R (via BMP) <-> ODU2e
	10GBASE-R (via GFP-F) <-> ODU2
	10GBASE-R (via GFP-F extended payload with preamble) <-> ODU2
	FC8G (via BMP) <-> ODUflex

FEC on 100 Gb Port	100 Gb OTU4: G.709 Regular FEC
	100 Gb coherent Och: Soft-Decision FEC
FEC on 10 Gb Port	Regular FEC (G.709)
	I.4 Super FEC (G.975.1)
	I.7 Super FEC (G.975.1)
In-band DCN Management	GCC0 on OTU4
	GCC1 or GCC2 or GCC1+2 on ODU4
	GCC0 on OTU2/2e
	GCC1 or GCC2 or GCC1+2 on ODU2/2e
Out-band DCN Management	Management Ethernet port
Transmission Protection	SNC/N
	SNC/I
Maintenance	PRBS
	Loopback
Network Management System	SNMP based NMS

Applications
Point to point



Ordering information¹

PN	Description
X61000-M2	100 Gb OTN Muxponder, 10 ports 10 Gb, 1 port 100 Gb

Notes:

¹ For accurate order specification please contact Xenopt reseller before placing an order. The content of this document is subject to change without notice. Xenopt does not guarantee errorless or outdated information. Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by XenOpt before they become applicable to any particular order or contract. In accordance with the XenOpt policy of continuous improvement specifications may change without notice.

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