

Series TM



Transponder TPQ10GFEC/I



Transponder TPMRHEX-L/16G



Flexponder FXP400GOTN

main features:

The platform consists of a number of elements individually selected for the client's application.

Among the basic elements we can distinguish:

- chassis
- transponders and muxponders
- optical modules
- xWDM filters/muxes

Among the elements that extend the capabilities of the system are:

- EDFA and Raman amplifiers
- dispersion compensators
- VOA
- ROADM
- tunable mux/demux (colourless)
- OCM
- TNM network management system

sectors:



technical specification:

chassis	TM3000/II	TM301/II	TM-102/II
number of slots	17	5	2
max. number of full cards	16	4	1
max. number of half cards	10	4	1
dedicated management board	✓	✓	—***
height	11U	3 U	1U
depth (with handles) [mm]	298	280	295

Series TM

100G+ cards with interchangeable line interfaces	FXP400GOTN	MXP200GOTN
supported protocols	100GbE, OTU-4	10GbE, 100GbE, 32GFC, 16GFC, 8GFC, 4GFC, STM64/OC192, OTU2/OTU2e, OTU4
number of transponders / client interfaces	2/4	up to 20, depending on the combination
client interface	QSFP28	SFP+, QSFP+/QSFP28
line interface	CFP2	CFP2

10G/16G transponders with interchangeable line interfaces	TPMRHEX-L/16G	TPHEX10GOTN	TPQ10GFEC/I
supported protocols	1GFC-16GFC, 1GbE-10GbE, STM4-STM64, OC12-OC192, OTU2/2e	10GbE-LAN, OTU2/OTU2e, 8G FC, STM-64/OC-192	STM-64, OC-192, 10GbE WAN, 10GbE LAN
coding	—	GFEC/EFEC	FEC
number of transponders on the card	6	6	4
client interface	SFP/SFP+	SFP+	XFP
line interface	SFP/SFP+	SFP+	SFP+
built-in management channel	—	✓	✓

Series TM



Aggregator series
MS-MXP10G



Muxponder MXP10GOTN



Aggregator L2 EMXP22

Muxponders 10G L1	MXP10GOTN	GBE9/MXP10GFEC	MS-MXP/10G
supported protocols	GbE, STM-16/OC-48, 1GFC-4GFC	GbE	GbE, STM-16/OC-48, 1GFC-4GFC, Sync-E
coding	GFEC/EFEC	FEC	FEC
number of line interfaces	1 + 1	1 + 1	1 + 1
line interface	XFP	XFP	XFP
number of client interfaces	10	9	10
client interface	SFP	SFP	SFP
built-in management channel	✓	✓	✓
supported protocols	GbE, STM-16/OC-48, 1GFC-4GFC	GbE	GbE, STM-16/OC-48, 1GFC-4GFC, Sync-E

Series TM

Muxponder 4G	MS-MXP
supported protocols	STM-1/OC-3 - STM-16/OC-48, GbE, 1GFC-2GFC
coding	—
number of line interfaces	1 + 1 / 2 / 4 depending on the combination
line interface	SFP
number of client interfaces	up to 8, depending on the combination
client interface	SFP
built-in management channel	✓

Muxponders Ethernet L2	EMXP 48*	EMXP 10	EMXP 22	EMXP 62*	EMXP 120*	EMXP 220**
supported protocols	FE, GbE, Sync E, 10GbE				GbE, 10GbE	10 GbE, 100 GbE
number of interfaces	8+4	10+2	22+2	22+4	1+12	12+1
interfaces	SFP/SFP+	SFP/XFP		SFP/SFP+	SFP/SFP+	SFP+/CFP
built-in management channel	✓	✓	✓	✓	✓	✓
MEF "traffic shaping" "bandwidth profiles" "policy framework"	✓	✓	✓	✓	✓	✓
FEC@10G	✓	—	—	✓	✓	✓
MPLS	✓	✓	✓	✓	✓	✓