

Product Overview

10G Transponders



Description

The MICROSENS 10G transport modules are part of the MSP 3000 Platform and are used as OC-192/STM-64/10GbE/10GFC/OTU2 signal regenerators or as metro, regional, or long haul DWDM transponders.

The MS430567M supports OC-192/STM-64 and 10 GbE LAN on the client side and a proprietary bit rate on the line side (11.09 with 10dB FEC). The MS430550M supports all 10G protocols from 9.95 Gbps to 10.709 Gbps, including 10GbE LAN PHY, WAN PHY, 10GFC, OTU2 and OC-192/STM-64.

Combined with MICROSENS optical booster and pre-amplifier, when using the MS430567M, selected optics achieve link distances (with full channel counts) of up to 300 km without in-line amplifiers and more than 2000 km with in-line amplifiers.

Properties

- 10G transponders for short and long haul applications
- Distances up to 2000 km for multispans
- Increase bandwidth capacity at low cost
- Optional FEC and NG FEC for very long haul applications
- Ideal solution for metro, regional and long haul optical networks
- Wire speed performance with low latency and jitter
- Supports DWDM configurations up to 88 channels
- Digital Diagnostic Monitoring and management via SNMP

Order Information

Description	Article Number
10G 3R Transponder	
10G Transponder with 3R Regeneration, Line Port 1&2: 2x XFP Slots (XFPs not included)	MS430550M
10G long haul Transponders	
10G Transponder with NG FEC for 10G LAN or 10G WAN/OC-192/STM-64, Line Port 1: SFP+ Slot, Line Port 2: XFP Slot (XFPs not included)	MS430567M
Dual 10G Transponder or Protection 10G Transponder, Client Port 1: SFP+ Slot, Line Port 1: XFP Slot, Client Port 2: SFP+ Slot, Line Port 2: XFP Slot, (SFP+/XFPs not included)	MS430569M

Accessories

Description	Article Number
XFP 10 Gbps pluggable transceiver, multimode 850nm LC	MS100400D
XFP multiprotocol 10.5 Gbps pluggable transceiver, single mode 1310nm LC 10 km	MS100411D
XFP multiprotocol 10 Gbps DWDM transceiver, DWDM Single Mode LC, 15dB / 40km, nn: ITU C-band channel 17-61	MS100422D-nn
XFP multiprotocol 10Gbps DWDM transceiver, DWDM Single Mode LC, 23dB / 80km, nn: ITU C-band channel 17-61	MS100432D-nn
SFP+ Pluggable Transceiver 10GBE, 10G SONET/SDH, Multimode 850nm, 5,1dB, 300m	MS100700D
SFP+ Pluggable Transceiver 10GBE, 10G SONET/SDH, Multimode 1310nm, 3,5dB, 220m	MS100701D
SFP+ Pluggable Transceiver 10GBE, 10G SONET/SDH, Single Mode 1310nm, 8,4dB 10km	MS100702D
SFP+ Pluggable Transceiver 10GBE, 10G SONET/SDH, Single Mode 1310nm, 14dB, 40km	MS100703D
SFP+ Pluggable Transceiver 10GBE, 10G SONET/SDH, Single Mode 1550nm, 14,8dB, 40km	MS100704D

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