FS

18 Channels CWDM Dual Fiber End-to-End Transport Platform

Up to 180Gbps 50km Dual Fiber BIDI End-to-End Transport

Description

18 channels CWDM dual fiber end-to-end transport platform is a standardized CWDM dual-fiber transport solution, which can build up to 180G capacity CWDM networks. With different transceivers, it can achieve 36km @ 1G CWDM SFP 80km, 16km @ 10G CWDM SFP+ 40km and 50km @ 1G CWDM SFP 100km transmission.

This product offers a future-proof 1U platform, which has advantages of low power consumption and compact housing.

Features

• Up to 180Gbps capacity

• Hot-swappable modules can be integrated into one FMT chassis

• Individually controlled dual AC pluggable power supply and fan unit

• Support SNMPv1, Monitor Online, Simple Management Tool management protocols

180G CWDM Transport Platform

The 18 Channels CWDM Dual Fiber End-to-End Transport Platform is designed to meet the demands of Data Center Interconnection (DCI) and enterprises to transmit multiple services for a relatively short distance. It integrates Mux Demux and OEO to achieve high capacity and multi-protocol transmission.

FMT 1U Managed Chassis

- 4 slots
- Hold up to 4x EDFA/OEO/OLP FMT pluggable modules

18ch Active CWDM Mux Demux

- 18CH (1270-1610nm)
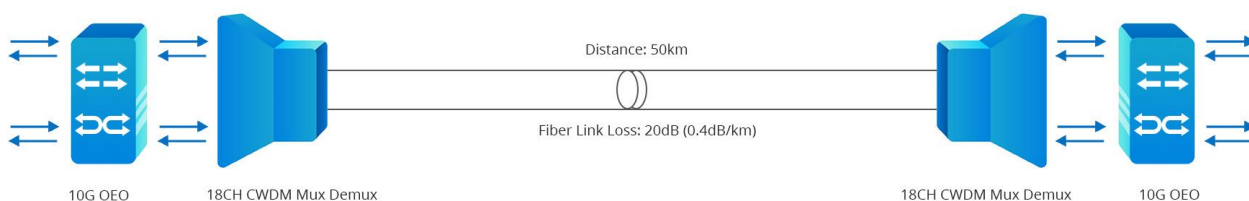- Up to 180G transmission

10G Transponder (OEO)

- 1Gbps to 11.3Gbps data rate
- 4 Channels (8 transceiver slots)

Standardized Transport Solution

- Networking Modes: Point-to-Point
- Transmission Distance: 50km
- Transmission Capacity: 16x 1G
- Fiber Link Loss: 20dB (0.4dB/km)
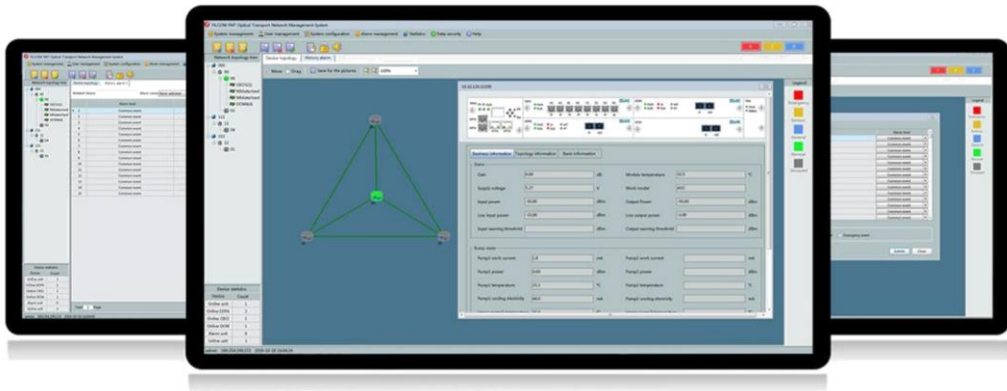- Fiber Type: G.652D

Solution Diagram

| 10G OEO | 18CH CWDM Mux Demux | Distance: 50km / Fiber Link Loss: 20dB (0.4dB/km) | 18CH CWDM Mux Demux | 10G OEO |

Packing List

ID	Description	Qty
39214	1U 4 slots Managed Chassis with NMS/MNU and Dual Power 100V-240VAC for Pluggable Module	2
74536	18CH 1270-1610nm Active CWDM Mux&Demux with MON, LC/UPC, Occupies 2 slots	2
30515	4 Channels Multi-Rate WDM Converter (Transponder), Up to 11.3G Rate, Occupies 1 slot	4

Technical Specification

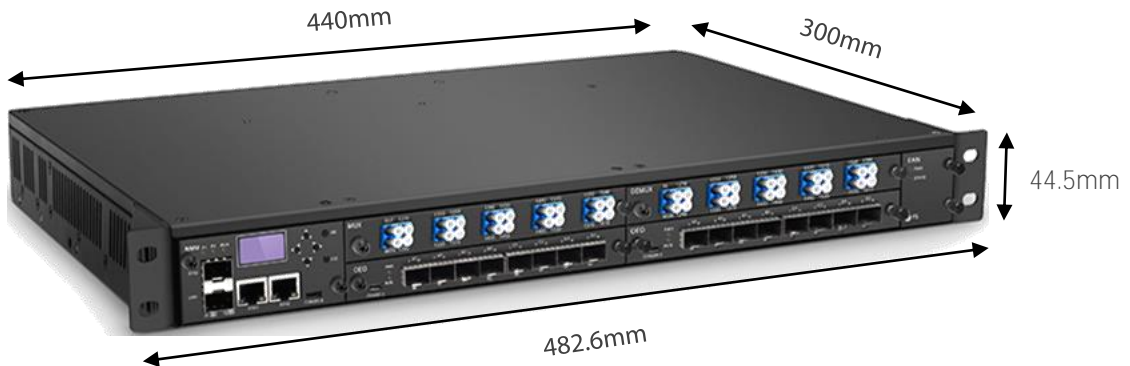| Parameter	Description
Topology	End-to-End CWDM networks
ITU Channel	18CH (1270-1610nm)
Channel Spacing	20nm
Client Interface Protocols	SDH/SONET, PDH, OTN, Ethernet, SAN
Distance	36km @ 1G CWDM SFP 80km 16km @ 10G CWDM SFP+ 40km 50km @ 1G CWDM SFP 100km
Fiber Link Loss	20dB (0.4dB/km)
Fiber Type	G.652D
Power Supply	Dual power, 100V-240VAC
Power Redundancy	1+1 backup AC power supply
Heat Dissipation	Hot swappable fan module
Ingress Protection	Non-waterproof
Quality Certification	CE, FCC, RoHS
Operating Temperature	-5~60°C
Storage Temperature	-40~80°C
Dimensions (HxWxD)	1.75"x19"x11.81" (44.5x482.6x300mm)
Management Interface	2*10/100/1000Base-T RJ-45 2*100Base-FX SFP 1*Console port
Management Protocols	SNMPv1, Monitor Online, Simple Management Tool
Management Channel	Optical Supervisory Channel (OSC)

Network Management System

The managed chassis is embedded with OSC for remote management and topology detection to be managed by MonitorOnline management system. The MonitorOnline software provides complete performance monitoring and management, including laser shutdown status, input power, output power, and etc to centralize OTN network management.
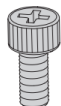
Dimension

FMT 1U Managed Chassis:

- Width: 482.6mm (19")
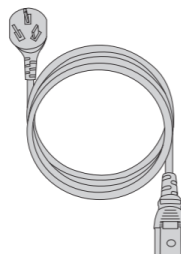- Height: 44.5mm (1.75")
- Depth: 300mm (11.81")

Accessories

Bracket Screws x8   Bracket Nuts x8   Power Cord x4   CD x2

Ordering Information

ID	Description
76087	9 Channels CWDM Single Fiber 50km End-to-End Transport Platform (Set of Two)
73805	18 Channels CWDM Dual Fiber 50km End-to-End Transport Platform (Set of Two)
90936	8 Channels DWDM Dual Fiber 20-140km End-to-End Transport Platform (Set of Two)
76086	16 Channels DWDM Dual Fiber 60km End-to-End Transport Platform (Set of Two)
73806	16 Channels DWDM Dual Fiber 120km End-to-End Transport Platform (Set of Two)
90935	16 Channels DWDM Dual Fiber 20-140km End-to-End Transport Platform (Set of Two)
73807	40 Channels DWDM Dual Fiber 100km End-to-End Transport Platform (Set of Two)
76085	40 Channels DWDM Dual Fiber 160km End-to-End Transport Platform (Set of Two)
90934	40 Channels DWDM Dual Fiber 20-140km End-to-End Transport Platform (Set of Two)
76084	96 Channels DWDM Dual Fiber 80km End-to-End Transport Platform (Set of Two)
73808	96 Channels DWDM Dual Fiber 100km End-to-End Transport Platform (Set of Two)

Note: If these WDM Transport Platforms can not meet your demands, please contact our expert consultant otn@fs.com for customized solution.

United Kingdom •   Russia •

Germany •

United States •

China •

Singapore •

Australia •

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