

eWAVE2108

Cost Effective Multiple Rate WDM Transmission Platform

WDM TRANSMISSION

MAIN FEATURES

- 8 channel of multiservice transmission
- 1Gb/s to 40Gb/s
- 3R (CDR) for all channel
- 1+1 Optical channel protection
- 1+1 OLP protection
- Configurable LLF
- Configurable Tx Sync
- Point to point, ring and stacking topology
- Hot pluggable SFP/SFP+
- EDFA for amplification
- Pluggable power supply
- Pluggable fan tray
- Pluggable dust filter

SYSTEM INTERFACES

- 8 x User Ports
- 2 x OSC Channel
- 1 x Mux/Demux Card
- 2 x EDFA Slot
- 1 x Console Port
- 1 x Office Alarm
- 1 x Management Port



eWAVE2108 is a cost effective, 1 RU chassis and multi-service WDM transmission platform which provides 8 wavelengths for point to point application, or 4 wavelengths ring application per device, more wavelengths application is possible by stacking multiple boxes at each location. Each channel port supports bit rate from 1Gb/s to 10Gb/s. It integrates 3R (CDR) for every channel to get better performance. LLF and TX sync functions are also supported, and can be configured by software. It supports 1+1 optical channel and optical line protection. It is stackable for future expansion. eWAVE2108 complies with standard of ITU G.709, FCC, RoHS and VCCI.

Network Management System

The system is managed with multiple standard protocols such as Web Graphic User Interfaces (GUI), CLI and SNMP. These can be accessed either through RS232 or Telnet via TCP/IP. User can configure and monitor the system remotely. This also allows eWAVE2108 to be easily integrated into existing EMS system as a plug-in network element.

Unique Features: Pluggable fan tray, pluggable dust filter, pluggable power supply, integrated EDFA slot, integrated OLP (optical line protection) module, office alarm port.

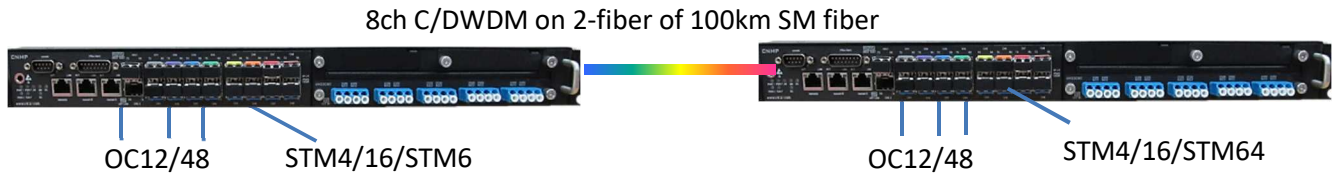
Simplest support 40G

40G signal can be transmit over eWAVE2108 by using MPO-4LC patch cords. It's convert the QSFP+ interfaces to four 10 GE interfaces when connecting to a SFP+ port. This solution is ideally suited to metro infrastructure, enterprise, and carrier-managed services applications.



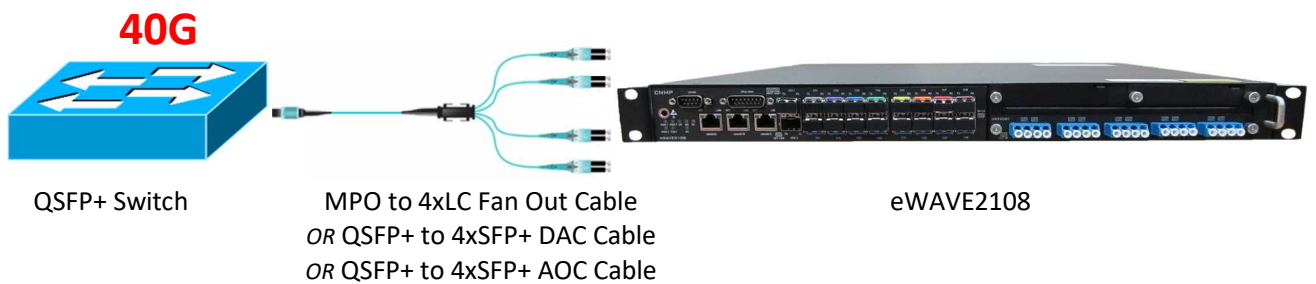
Application Example 1:

Multi rate application on between two Data Center (SDH, SONET etc)



Application Example 2:

40G Solution



Application Example 3:

Point to Multi-Point Solution



Technical Specification

WDM Capacity	1G, 2.5G, 10G, 40G C/DWDM		
Transmission Protocol		Line Interface	
SDH	STM-4, STM-16, STM-64	Number of interface	Up to 8x SFP/SFP+ Hot Pluggable
SONET	OC-12, OC-48, OC-192	Wavelength	From 1270nm to 1610nm
Power	100~120/200~240VAC, 48V DC, <100W	Data Rate	1Gbps ~ 40Gbps
Client Interface		Dimension	436x408x44mm
Number of interfaces	Up to 8x SFP/SFP+ Hot Pluggable	Weight	5kg
Wavelength	User definition		