

eWAVE3107

Multi Service WDM Transmission Equipment



SMALL SCALE

HIGH DENSITY

DWDM/CWDM

PLATFORM

- 19 inch 1U Chassis
- Mux and Demux
- EDFA card function
- Plug and Play
- 1+1 Redundancy
- Low power consumption
- Point to point topology
- Active Ring Topology
- Stacking Application
- System controller with OSC
- Loopback Test

HARDWARE FEATURE

- 4 x Transponder Card
- 1 x Mux/Demux Card
- 2 x EDFA Card
- 1x10BaseT Management

eWAVE3107 is a 1U" Mini chassis type multi service platform which have flexible configuration. eWAVE's WDM product lines supports multi service traffic and hence it's specially designed for carriers and service providers who require a very cost effective and highly reliable network. The system is adopted with WDM technology and goes up to 80Gbps transmission capacity. It supports transport of 1G, 10G Ethernet and OC3, OC12, OC48, OC192 SONET. With such well balance performances, eWAVE3107 is the price performance leader in optical transport market.

This chassis is equipped with 6 slots of hot pluggable line cards with maximum of 8 channels. The client side ports are implemented by SFP modules. Single pair of fiber transmission is possible by using CWDM/DWDM technology.

Distance Extension

System uses Pre mini EDFA and boost mini EDFA, so that the loss budget can be increased to be 38dB. The fiber distance is 100km limitation without DCM usage. The fiber distance can go to 140km with the DCM usage. With DCM and multiple in-line EDFA usage, the fiber transmission distance can be 800~1000km.

Performance Monitoring

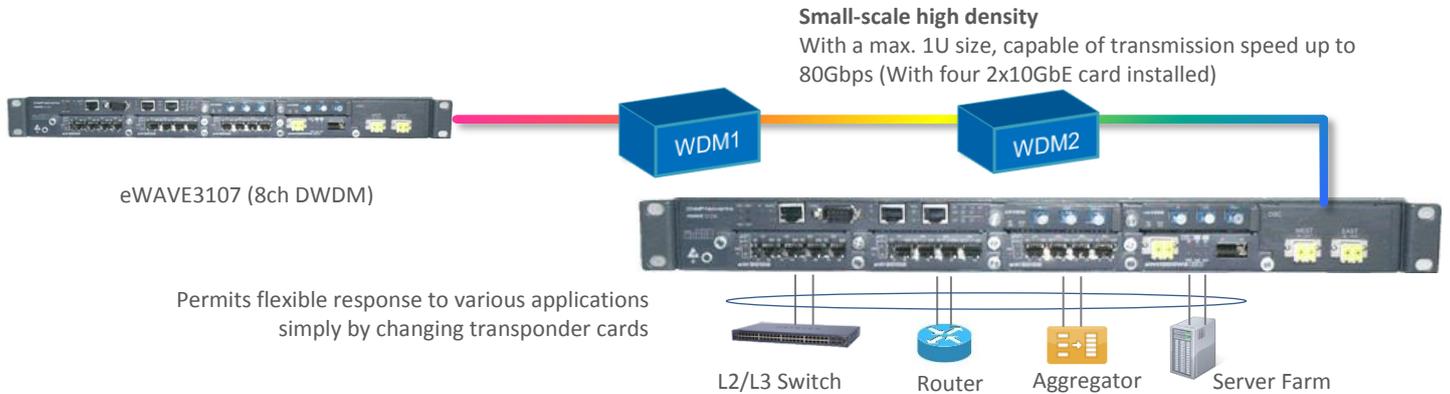
The system is employed with standard-based management protocols such as Graphic User Interfaces (GUI), CLI and SNMP. These can be accessed either though RS232 or Telnet via TCP/IP. User can configure and monitor the system remotely. This also allows eWAVE3107 to be easily integrated into existing EMS system as a plug-in network element.



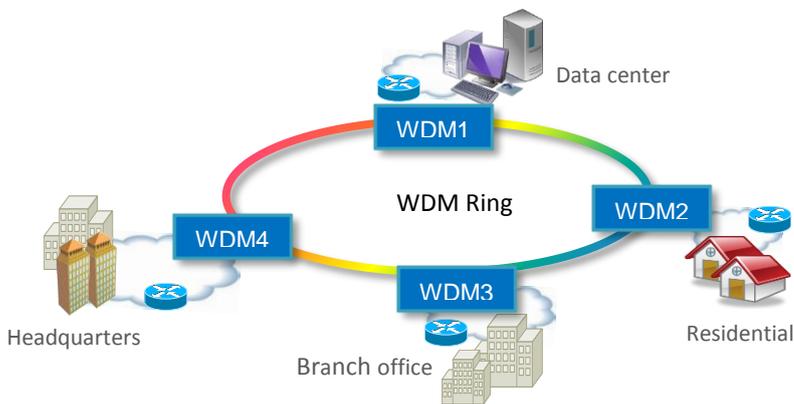
- Metro and Regional Packet Optical Networking
- Mobile Backhaul
- Data Center
- Carrier Ethernet

Network Applications

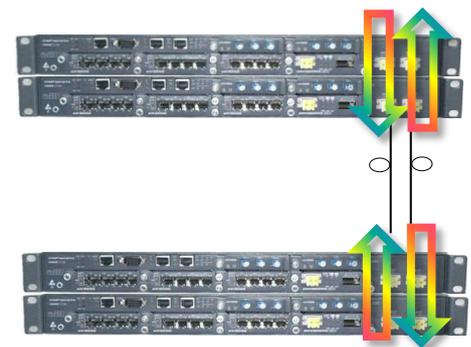
Multi Service Point to Point Application



Active Ring Application



Stacking Application



Platform Technical Specifications

eWAVE3107

Transmission Mode	Ethernet over WDM, OTN
Rack Size	1U
Max Channels	8 channel per chassis
Max Transmission Capacity	80Gbps per chassis
Link budget	26dB (typical)
Interfaces	1G,2G SFP* 10G SFP*
Management	GUI NMS, SNMP, CLI, Telnet/SSH
Power Consumption	<140W
Power Redundancy	2 powers (fixed) AC100-240VAC/DC-55~40VDC
Weight	<10kg (max configuration)
Dimension (WxDxH)	440x450x44.4
Operating Temperature	0 ~ +40 °Celsius

*Purchased separately