

2.5Gbps*16 CWDM transmission platform

2.5Gbps*16, Managed, 4U 16-slot Chassis

1. Overview

FB-2.5Gbps*16 CWDM transmission platform is a long distance and multi-service and various data rate platform specially designed for carriers and service providers who require a very cost-effective and highly reliable network transport system such as Ethernet, SONET, ATM and IP.

It can be flexible configured as either CWDM Multiplexing transmission (1~16 ports and long and user optical ports (channel) protection at optical layer in 1~8 ports mode) or OAD.

2. Features

2.1. Hardware Features

- Support up to 16 user channels of various protocols and different data rate (100M~2.5Gbps), such as 100M/s FE, SONET, ATM, OC3, OC12, OC48, 1GbE and so on.
- 1+1 Optical layer protection : less than 10 ms(TBD).
- Pluggable SFP interfaces for both long optical ports and user ports. And the long optical ports transmit up to 80Km without relay.
- Multiplex 8 or 16 CWDM wavelength Channels and use pluggable CDWM SFP transceiver (up to 2.5 G/s).
- Both long optical ports (channel) and user ports(channel) Protection at optical layer.
- SFP Hot-swappable Functions.
- Dual-power supply for power redundancy.
- In service upgrade for adding more channel, up to 16 slots, 16 CWDM wavelength channels.
- Flexible application for a few channels to up to 16 channels and the optical protection (user ports and long optical ports) is optional.
- One 10M/100M Network Management Port for network management and One Console Interface.

2.2. Software Function

2.2.1. System

- Support Console, WEB and SNMP-based management
- Select the system or a single local module or remote end device to reset
- Reset chassis to factory default
- Support firmware updating, with the update tool and new version firmware file

download from our website.

- Support SNMP management. Set Trap Destination, Community Name, and authority
- Provide MIB file, make it easy to be integrated into the third-party SNMP management software
- Tree-view structure makes it easy to manage many chassis from one software interface

2.2.2. Monitor and Setting

- Show details of system information, including chassis name, location information, IP address, start-up time, software and hardware version
- View & configure the working status of local device, including connection status, speed, half/full duplex mode, port status
- View the detailed information of power supply

2.2.3. Alarm

- Real-time Alarm can be added to a float window automatically or pop up to get more attention
- One history alarm message window for searching, deleting, copying etc.

2.2.4. Security

- 3 levels of the users to advance the security of the software system

3. Specifications

3.1. Optical Port

- Wavelength:
- User ports:
850nm/1310nm/1550nm, single mode/multimode optional for user ports.
- Long optical ports:
1270(1271)nm/1290(1291)nm/1310(1311)nm/1330(1331)nm/1350(1351)nm/1370(1371)nm/1390(1391)nm/1410(1411)nm/1430(1431)nm/1450(1451)nm/1470(1471)nm/1490(1491)nm/1510(1511)nm/1530(1531)nm/1550(1551)nm/1570(1571)nm/1590(1591)nm/1610(1611)nm

- AC: 100V~240V, 50/60Hz
- DC: -48 VDC
- Consumption: TBD

3.3. Size

- 19-inch classis:
483mm (W) × 415mm (D) × 177mm (H)

3.4. Environment

- Temperature: TBD
- Humidity: TBD

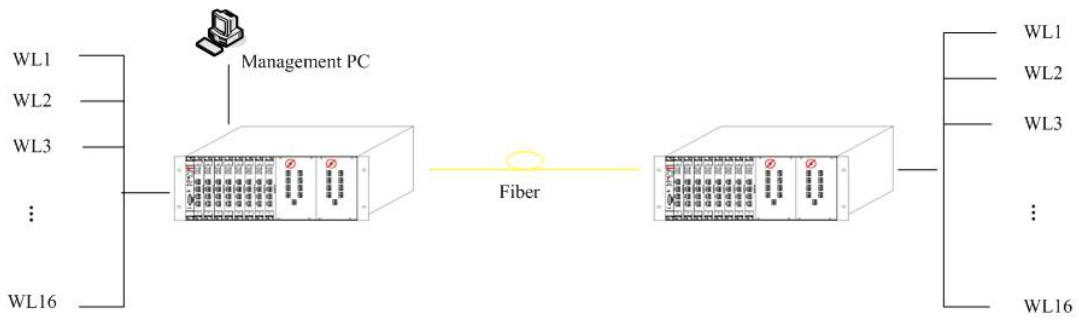
3.5. LEDs

- TBD

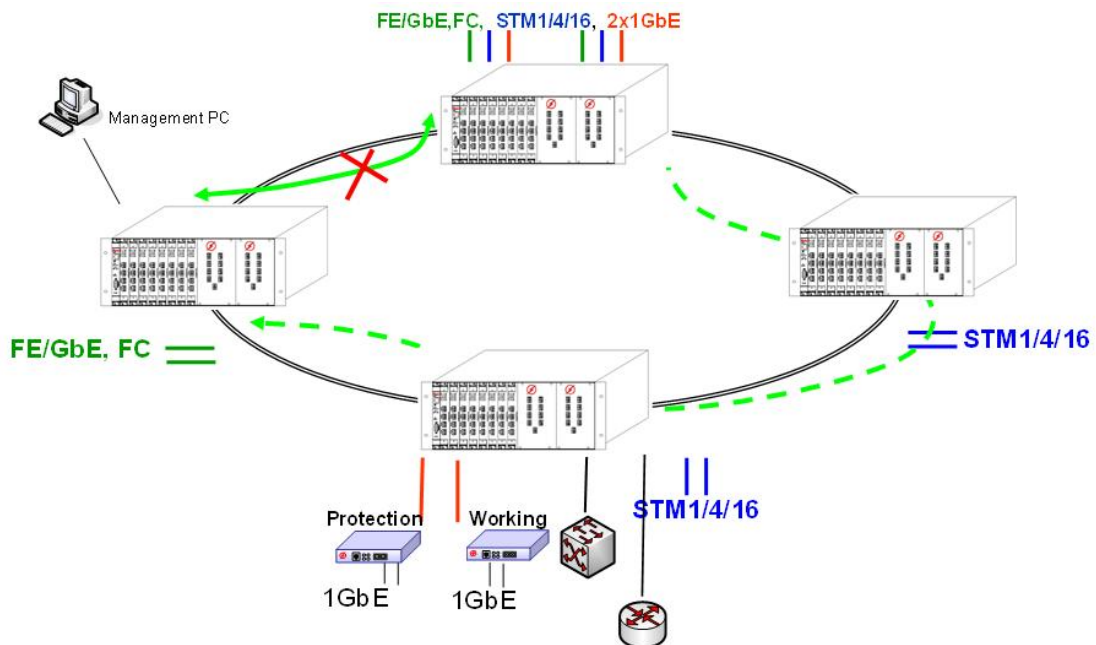
3.2. Power

4. Typical Application

4.1. Point to point application



4.2. Optical Ring Add/Drop application



5. Order information

5.1. Model

5.2. Part Number of module or standalone media converter

5.3. Part Number (P/N) of Chassis

5.4. Part Number (P/N) of Chassis power supply module