M6500 100G Muxponder & Transponder Frequently Asked Question (FAQ)

100G Optical Transport Networking for Metro/Regional and Long Haul

Overview

This M6500 series FAQ addresses common concerns about 100G transponder and muxponder, and helps you get an overview of the equipment you will need for 100G transponder and muxponder from these frequently asked question (FAQ).

Frequently Asked Question

1. What is the M6500 series?

M6500 100G series cover M6500 100G muxponder, 100G transponder pluggable module and managed chassis, they are designed for long-haul and high capacity metro network transmission and so on for a DWDM system. M6500 100G muxponder and transponder can be highly intergrated with managed chassis. The modular design offers pay-as-you-grow flexibility, and it also enables easy installation and rapid usage deployment.

M6500 series meet market demands for low power consumption and rack space savings, enabling to easily and cost-effectively roll-out service and increase capacity of enterprise DCI (data center interconnect) and metro networks.

2. What is the difference between 100G muxponder and 100G transponder?

100G muxponder is used to aggregate 10x 10G multi-protocol services into a single 100G OTN DWDM wavelength, while 100G transponder is to aggregate and transport 2x 40G or 1x 100G services over a single 100G OTN DWDM wavelength. Both of them can transmit a single 100G DWDM wavelength over long-haul DWDM optical transport network, but the client sides of 100G muxponder and transponder are different.

3. Is it possible to use third-party 100G coherent CFP transciever on 100G muxponder/transponder ?

There is encryption between attached 100G coherent CFP transceiver and 100G muxponder/transponder. If you use third-party coherent transceivers on 100G muxponder and transponder, the transmission will not be connected.

4. Is the attached 100G coherent CFP transceiver tunable ?

The TX wavelength of attached coherence transceiver is tunable. You can use NMS network management software to adjust, and its adjustable range is the DWDM full C-band.

5. How to manage the M6500 series 100G muxponder and 100G transponder ?

M6500 100G muxponder and transponder can be managed through the network management software in the M6500 managed chassis. This network management system can display the network view intuitively, monitor and manage multiple network devices in the network, and ensure the reliable and efficient operation of the network. And it should be noted that this management approach is currently only applicable to Windows systems.

6. How to get my license key to finish validation when starting NMS server ?

After installing M6500 NMS software, you can contact their sales manager for license key and may require you to provide the IP address of the management computer for configuration. The license key has a free validity period of 5 years for you.

7. How to switch the working mode of 100G transponder/muxponder(P/N: M6500-TMXP2) ?

The working mode of 100G transponder/muxponder module(P/N: M6500-TMXP2) can be switched via M SERIES NMS network web management interface, and you can switch the "Card mode" in "Card Configuration" in topology tree area.

8. Can the 100G muxponder(P/N:M6500-MXP10) be used in reverse ?

The 100G muxponder can be used in reverse, and you need to confirm the 100G client service is OTU4 when using the 100G muxponder in this way.

9. Is it possible to add M6500 100G muxponder and transponder to FMT 10G transmission system ?

M6500 100G muxponder and transponder can use with FMT 10G transmission modules(such as EDFA and DCM) to achieve mix transmission. But they are managed by their respective managed chassis and software. 10G modules are managed by FMT chassis, and 100G modules are managed by M6500 chassis. It does not affect the mixed transport performance.

10. What is the warranty policy for the M6500 series 100G muxponder and 100G transponder after sales ?

FS offers a free return within 30 days (includes any custom made items or tailored solutions), and 2 years warranty for M6500 series hardware.

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