



## X6500-SFP+

### Optical Transport SFP+ Module



#### Product Highlights

- 3-Channel SFP WDM Transponder
- CWDM & DWDM
- 6 ports, SFP & SFP+ compatible
- Port rates 10 Gb/s max, compatible with 125M/155M/622M/1G/2G5/4G/6G/8G
- up to 10G SDH/SONET

#### Product line X6500 overview

Product line X6500 is the XenOpt most cost effective offer of a complete line of managed Data Transport System Equipment and WDM (Wavelength-Division Multiplexing) solutions for service providers, content delivery networks, data centre operators, internet exchanges, cloud service providers, and others. Applications in point to point or fixed point to multipoint connections range from enterprise networks to data and storage area interconnect, from regional backbones to campus rings. Services from simple digital carrier signal transmission, signal regeneration, service demarcation to complex distributed multiplexed multirate up to 10 Gbp solutions can be offered with a variety of hardware platforms and managed by intelligent and open control and management software.

X6500 family is a generation of fully integrated fibre transmission platform. It offers a full range of solutions including:

- High density short and long distance connectivity from 100M to 10GE,
- Optical multiplexing and de-multiplexing (DWDM - Dense WDM, CWDM - Coarse WDM),
- Optical add/drop, including custom solutions,
- Optical signal amplification (EDFA - Erbium-Doped Fibre Amplifier),
- Fibre optimization and protection (OLPS - Optical Line Protection System),
- Distance extension with amplification or digital signal regeneration,
- Network demarcation and OEO (Optical-Electrical-Optical) media conversion,
- Supports single or dual fibre transport solutions.

It is a fully modular product series that integrates a range of optical transport modules supporting wide range of variable speed interfaces and protocols in selection of chassis sizes for simple and flexible operations. All of these modules are hot pluggable, allowing simple maintenance procedures.

#### X6500-SFP+ overview

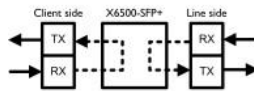
X6500-SFP+ is an optical fibre link wavelength converter (fibre amplifier). It regenerates optical signals in the principle of optical-electrical-optical to carry out the amplification and wavelength conversion of optical signals. Wavelength division multiplexing can be performed by using C/DWDM multiplexer/demultiplexer, which especially applies to optical transport systems of up to 10G SDH/SONET, Ethernet etc. It provides cost-efficient solutions for the regeneration of optical signals and the transmission of scarce fibre resources.

Features:

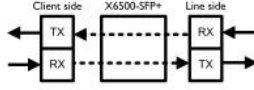
- It is designed to support six ports compatible with both SFP and SFP+ modules,
- It supports a maximum port rate of 10Gb/s, and is compatible with 125M/155M/622M/1G/2G5/4G/6G/8G,
- It supports non-blocking cross switch configuration of any port,
- It supports channel 1 + 1 protection and data multicasting or broadcasting,
- It supports CDR function that SONET/SDH STM-1, STM-4, STM-16, STM-64 are optional,
- It supports 1GFC, 2GFC, 4GFC, 8GFC, 10GFC, 10GE and 10GE rates,
- The wavelengths of the transmitter is at C-Band, which supports DWDM in compliance with ITU-T standards,
- It can be operated and controlled independently,
- It supports shut-down of TX laser when there is no received optical signal.

**Application:**

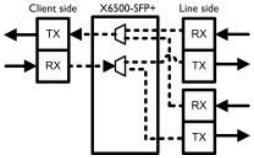
1. Single Port Loopback Mode



2. OEO Conversion Mode



3. Port 1 + 1 Protection Mode

**X6500- SFP+ specifications****Warranty**

- Limited lifetime warranty

**Ordering information**

Part Number	Product Description
X6500-SFP+	Optical Transport System Transponder SFP+
<b>Other X6500 family products</b>	
X6500-I	Optical Transport System 1 U 4 Slot Chassis
X6500-II	Optical Transport System 2 U 8 Slot Chassis
X6500-V	Optical Transport System 5 U 18 Slot Chassis
X6500-SC	Optical Transport System Management Module
X6500-TMUX-10G	Optical Transport System 10G Muxponder Module
X6500-10G	Optical Transport System Dual Transponder Module with FEC
X6500-OLP	Optical Transport System Fibre Protection Switch
X6500-OLP-BIDI	Optical Transport System Fibre Protection Switch Bidirectional

For accurate order specification please contact XenOpt reseller before placing an order. The content of this document is subject to change without notice. XenOpt does not guarantee errorless or outdated information.

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