

PM7000-01

XGS-PON SFP+ Transceiver

The Zyxel PM7000-01 XGS-PON SFP+ Transceiver provides 10/10G profile passive fiber internet access to meet the market requirements for a high-speed 10G performance experience in a cost-effective way.

Benefits

Simple integration without extra investment

The combination of the SFF-8472 management interface, SFP+ modular slot, and an SC receptacle enables the PM7000-01 to integrate AX7501-B0 into the XGS-PON network without huge OPEX investment and extra deployment efforts.

10G broadband capability for a customizable network

The Zyxel PM7000-01 compact SFP+ transceiver enables the Zyxel AX7501-B0 to provide the 10-gigabit broadband capability, combined with residential gateway features for customers to support the wide deployment of triple-play services such as video, data, HDTV and interactive gaming easily.



ITU-T G.9807 compliant



Bi-directional function via a single fiber



MSA SFP+ footprint with SC receptacle



Commercial grade operating case temperature



Single +3.3 V power supply with a hot-pluggable capability



Low EMI and excellent ESD protection

Specifications

System specifications

XGS-PON compliance

- Complies with ITU-T G.9807.1/G.988 GPON standards
- Complies with class N1/N2
- DS/US speed: 9.95328/9.95328 Gbps
- Wavelength: 1577 nm (DS) & 1270 nm (US)
- Physical distance reach up to 20 km

Optical transmitter

- 1270 nm burst-mode transmitter with DFB laser

Optical receiver

- 1577 nm high sensitivity continuous-mode APD-TIA receiver

Hardware specifications

XGS-PON WAN

- 1x SC/APC complies with ITU-T G.9807.1 and PMD class B+

LAN

- SFP+ MSA SFF-8472 compliant

Power supply

- Input: 3.3 V (+/- 5%) DC from SFP footprint

Power consumption

- Max. 2 watt

Physical specifications

- Item dimensions (WxDxH): 13.4 x 56.3 x 8.5 mm (0.53" x 2.22" x 0.33")
- Item weight: 10 g (0.02 lb.)
- Packing dimensions (WxDxH): 108 x 57 x 16 mm (4.25" x 2.24" x 0.63")
- Packing weight: 47.2 g (0.10 lb.)

Environment specifications

Operating environment

- Temperature: 0°C to 70°C (32°F to 158°F)
- Humidity: 10% to 90% RH (non-condensing)

Storage environment

- Temperature: -40°C to 85°C (-40°F to 185°F)
- Humidity: 10% to 90% RH (non-condensing)

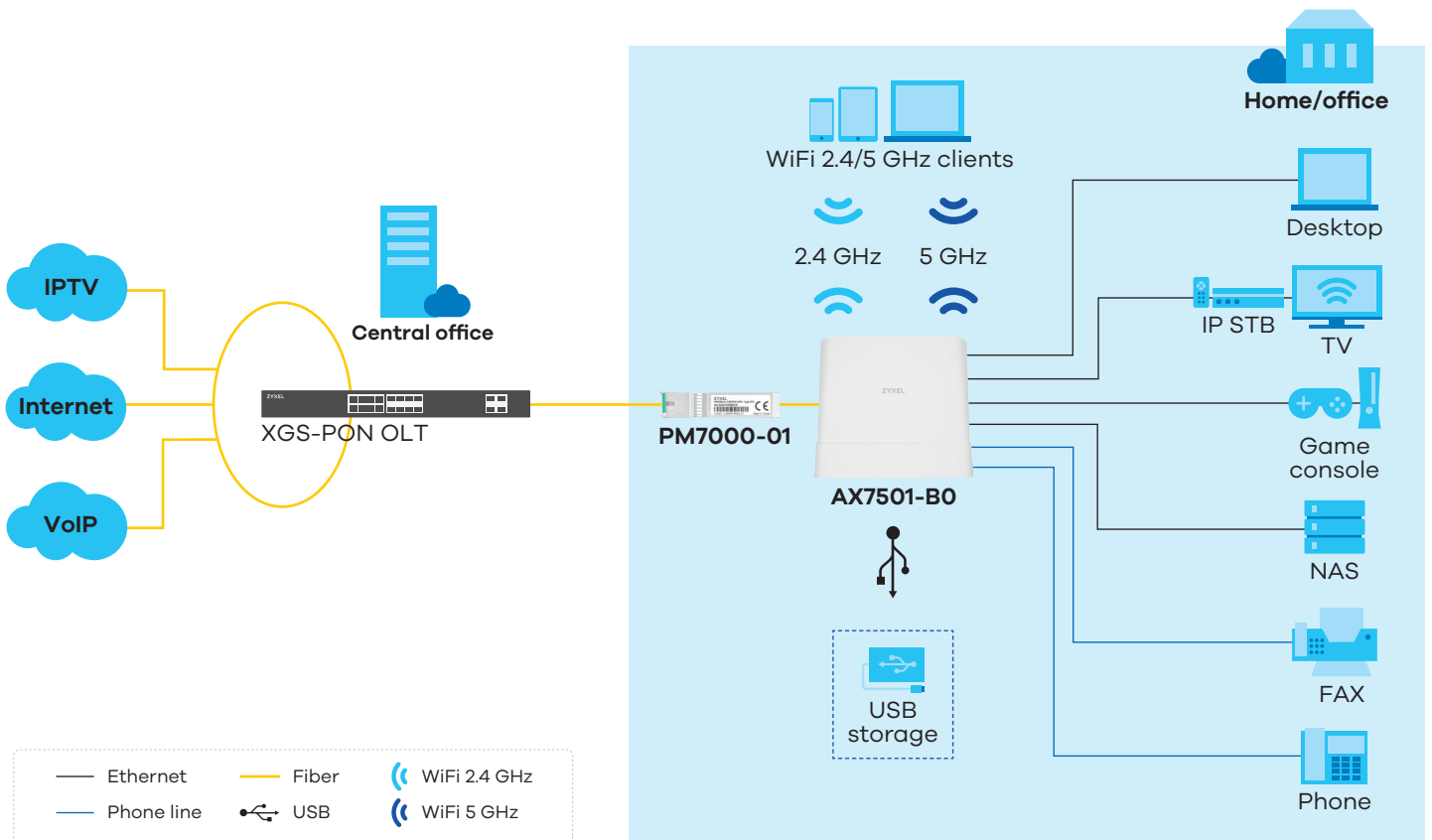
Certification

- CE
- WEEE (Waste Electrical and Electronic Equipment) Directive certification

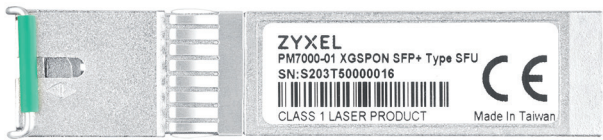
Package contents

- XGS-PON SFP+ transceiver
- Quick Start Guide

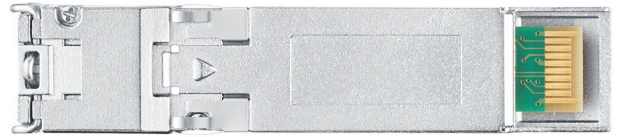
Application diagram



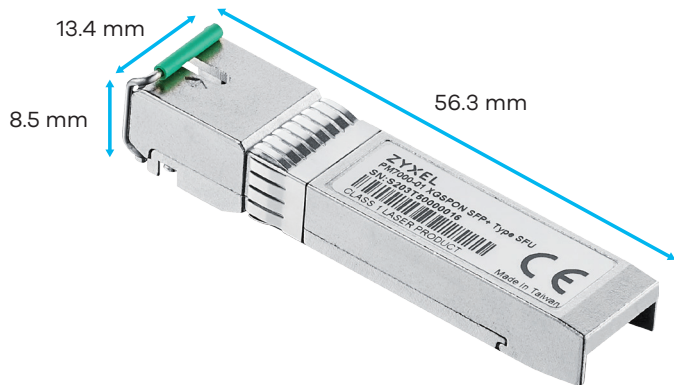
Top view



Bottom view



Dimensions





For more product information, visit us on the web at <https://service-provider.zyxel.com>



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Datasheet [PM7000-01](#)



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