



PM7010-R0

XGS-PON SFP+ ONT

The Zyxel PM7010-R0 XGS-PON SFP+ ONT provides with 10G/10G profile passive fiber internet access to meet the market requirements for a high-speed 10G performance experience in a cost-effective way.

Benefits

Next-gen GPON offers seamless triple-play services

The Zyxel PM7010-R0 with MAC serves as a simple SFU that enables service providers to address symmetric 10 Gigabit data access for subscribers under the P2MP structure.

Excellent user experience with customizable product combinations

Adding the Zyxel PM7010-R0 into the network as a Layer-2 ONT accessory can increase the overall deployment flexibility and help service providers to meet different subscribers' demands as it leaves room for further customization by adding any Layer-3 device based on the deployment needs.



ITU-T G.9807 compliant



MSA SFP+ footprint



Bi-directional function via single fiber



Compact size and simple bridge design for easy installation and deployment



Remote management via OMCI



Built-in digital diagnostics function

Specifications

System specifications

XGS-PON compliance

- Single fiber bi-directional data links with symmetric 9.95328 Gbps
- 1270 nm burst-mode transmitter with DFB laser
- 1577 nm continuous-mode APD receiver
- Upstream wavelength (λ): 1270 \pm 10 nm
- Downstream wavelength (λ): 1577 - 2/+ 3 nm
- Tx power : 4 dBm ~ 9 dBm
- Rx sensitivity: -28 dBm
- Rx overload: -9 dBm
- LVTTTL burst enables control, laser failure alarm, and Rx signal detection
- Class 1 laser eye safety standard IEC-60825 compliant
- Low EMI and excellent ESD protection

Standard compliance

- Complies with RoHS
- Complies with SFP+ MSA (SFF-8431)
- Complies with SFF-8472 MSA
- Complies with ITU-T G.987.2
- Complies with ITU G.9807.1

- Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007

Management

- Digital diagnostics monitoring
- Dying Gasp feature support

Hardware interface

- XGS-PON SFP+ stick with SC/APC connector

Power consumption

- Power supply voltage (Vcc): 3.14 V ~ 3.46 V (3.3 V)
- Power supply current (Icc): 900 mA
- Power Dissipation (PD): 3 W

Physical specifications

- Item dimensions (WxDxH): 83.1 x 14.6 x 12.35 mm (3.27" x 0.57" x 0.49")
- Item weight: 31 g (0.068 lb.)

- Packing dimensions (WxDxH): 117 x 57 x 30 mm (4.61" x 2.24" x 1.18")
- Packing weight: 54 g (0.119 lb.)

Environment specifications

Operating case temperature

- -40°C ~ 85°C (-40°F ~ 185°F)

Storage environment

- Temperature: -40°C ~ 85°C (-40°F ~ 185°F)
- Humidity: 10% to 95% RH (non-condensing)

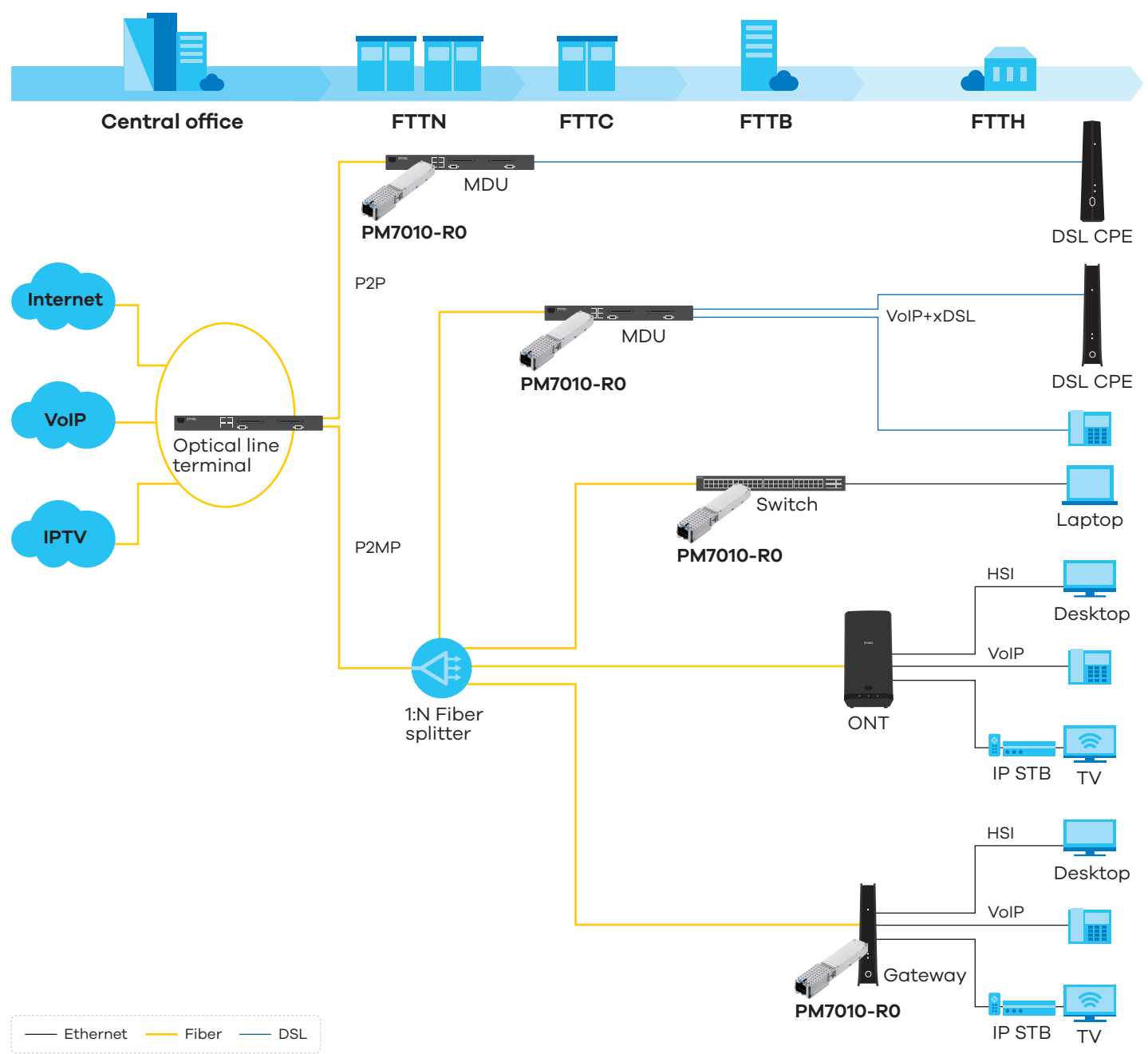
Certification

- EMC: FCC, IC/ISED
- Safety: FDA

Package contents

- Device
- Quick Start Guide

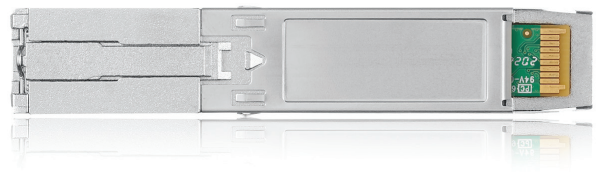
Application diagram



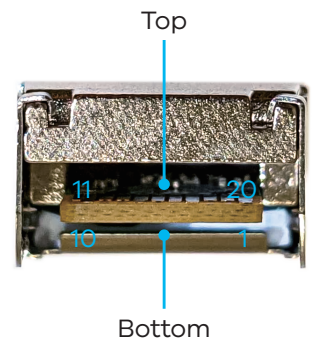
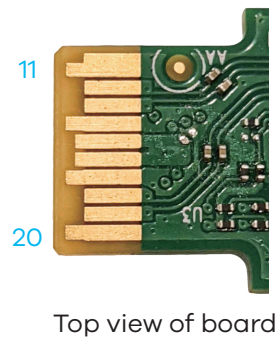
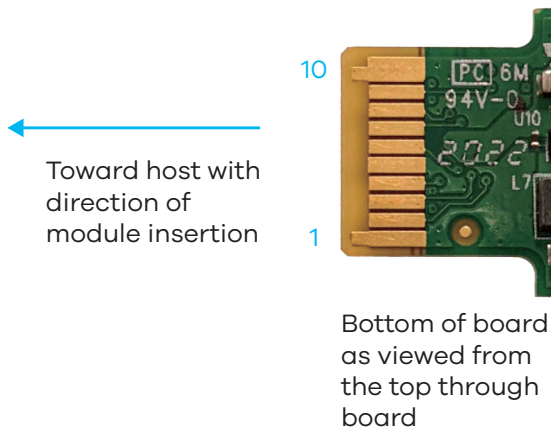
Top



Bottom



Gold Finger pin assignment



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

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Datasheet [PM7020-R0](#)



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