

NET-XZ000-G6

TP-Link XZ000-G6 1 port Gigabit xPON SFU/ONU

Product Overview

TP-Link XZ000-G6 1 Port Gigabit xPON SFU/ONU, 1x PON Port, 1x GbE LAN Port, 2.488 Gbps downstream speeds, 1.244 Gbps upstream speeds, 1310 nm upstream Wave length, 1490 nm downstream Wave length, 0-20 km Max distance, DFB Laser transmitter



Specifications

Overview Summary:

The TP-Link XZ000-G6 is a compact and reliable 1-port Gigabit XPON terminal designed for modern fibre-to-the-home connections. With dual GPON and EPON support, it offers flexibility to work with a wide range of internet service providers while delivering smooth, high-speed wired connectivity for everyday online needs.

Ideal for homes and small offices in South Africa, this XPON ONU provides stable fibre performance with simple installation and remote management support. It is a practical choice for users upgrading to fibre or replacing an existing terminal. Buy now and enjoy dependable fibre internet performance at home.

Performance tier:Mid-range fibre access

Uses: FTTH internet access, home fibre connections, small office fibre setups, ISP-provided fibre termination

Overview:

The XZ000-G6 is a compact 1-port Gigabit XPON terminal designed to deliver reliable fiber internet access for modern homes and small offices. Built with dual-mode GPON and EPON compatibility, it offers flexible deployment across multiple service providers while delivering high-speed connectivity, stable performance, and simple installation for FTTH environments.

Description:

The XZ000-G6 provides fast and stable fiber connectivity through a single PON port and gigabit LAN port, supporting both GPON and EPON networks for maximum compatibility. With high downstream and upstream speeds, centralized remote management via OMCI, and long-distance transmission support, it is ideal for service providers and end users looking for dependable, future-ready fiber access in compact form.

Features:

High-speed fiber connectivity

The XZ000-G6 supports dual-mode XPON technology, allowing seamless operation on both GPON and EPON networks. This ensures compatibility with a wide range of fiber infrastructures while delivering consistent performance for streaming, gaming, work, and smart home applications.

- GPON downstream speed up to 2.488 Gbps
- GPON upstream speed up to 1.244 Gbps
- EPON downstream speed up to 1.25 Gbps
- EPON upstream speed up to 1.25 Gbps

Dual-mode GPON and EPON support

Automatic detection and switching between GPON and EPON modes simplifies deployment and improves flexibility for ISPs and network installers. This makes the device suitable for mixed network environments and evolving fiber infrastructures.

Gigabit wired performance

A dedicated gigabit Ethernet LAN port provides stable, high-speed wired connectivity for routers, access points, PCs, and smart home systems, making it ideal for fiber-to-the-home installations and high-demand internet usage.

- 1x PON port
- 1x Gigabit LAN port

Centralized remote control

OMCI protocol support enables service providers to manage, configure, and monitor devices remotely. This reduces maintenance time, simplifies troubleshooting, and improves service reliability for end users.

- Remote configuration
- Centralized device management
- Simplified network operations

Long-distance and stable transmission

Designed for extended fiber reach, the XZ000-G6 supports transmission distances of up to 20 km with stable optical performance.

- Upstream wavelength: 1310 nm
- Downstream wavelength: 1490 nm
- DFB laser transmitter
- Max transmission distance: 0 to 20 km

Built for FTTH deployments

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Product Specification Sheet

The XZ000-G6 integrates seamlessly into complete fiber-to-the-home solutions, supporting modern broadband services such as IPTV, VoIP, and high-speed internet. It is suitable for residential, apartment, and small business fiber deployments where reliability and performance are essential.

Why choose the XZ000-G6

- Dual-mode XPON compatibility for flexible network support
- High-speed downstream and upstream performance
- Simple installation and setup
- Reliable long-distance fiber transmission
- Remote management via OMCI
- Compact design for easy indoor deployment

Ideal use cases

- Fiber-to-the-home installations
- ISP customer premises equipment
- Residential broadband access
- Small office fiber connectivity
- Smart home networking setups

Specifications:

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Specifications	
Product Code	NET-XZ000-G6
HARDWARE FEATURES	
Interface	1 x PON Port
	1 x GbE LAN Port
Button	Reset Button
External Power Supply	9VDC/0.6A
IEEE Standards	IEEE 802.3, 802.3u, 802.1p, 802.1Q
Data Rates	Downstream Speeds: 2.488 Gbps (GPON), 1.25 Gbps (EPON)
	Upstream Speeds: 1.244 Gbps (GPON), 1.25 Gbps (EPON)
Wave Length	Upstream: 1310 nm
	Downstream: 1490 nm
Dimensions (W x D x H)	3.7 x 3.0 x 1.2 in (95.0 x 75.0 x 29.3 mm)
Distance	0-20 Km Max
GPON Standards	ITU-T G.988, G.984.1, G.984.2, G.984.3, G.984.4
Optical Module	Class B+
Receiver	Super-TIA
Transmitter	DFB Laser

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Product Specification Sheet

SOFTWARE FEATURES

Advanced Features	Upstream and Downstream FEC
	Dynamic Bandwidth Allocation(DBA) support NSR/SR
	Up to 16 T-CONTs and 256 GEM Ports
	Optical power detection
	Dying Gasp
	Terminal Silent mechanism
VLAN	802.1Q tag VLAN, VLAN transparent mode/VLAN translation mode/VLAN trunk mode, Authentication based on SN and Password, VLAN Auto Detect
Security	AES Encryption, Packet Filter based on VLAN
Management Features	Local management: WebGUI, Telnet
	Remote management: OMCI
IGMP	IGMP v1/v2/v3
OTHERS	
Package Content	XPON Terminal XZ000-G6
	Power Adapter
Certifications	CE, RoHS
Environment	Operating Temperature: 0degreesC-40degreesC (32degreesF-104degreesF)
	Storage Temperature: -40degreesC-60degreesC (-40degreesF-140degreesF)
	Operating Humidity: 10%-90% non-condensing
	Storage Humidity: 5%-90% non-condensing

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: <https://www.comx.co.za/NET-XZ000-G6-TP-Link-XZ000-G6-1-port-Gigabit-xPON-SFU-Buy-p-333856.php>

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