

Gigabit Ethernet GPON ONU

This GPON ONU is applicable to GPON and EPON networks and compatible with any FTTx PON technology. It provides a single Gigabit Ethernet port for connecting to user devices, enabling high-speed internet access and other IP-based services.



ADDITIONAL IMAGES



Product Overview

High-Performance Optical Network Unit

This Gigabit Ethernet GPON ONU is a high-performance optical network unit designed for fiber-to-the-home (FTTH) and small business applications. It provides a reliable 1GE interface, ensuring high-speed internet access and efficient data transmission. The device is fully compatible with major PON technologies and features plug-and-play functionality for easy deployment.

Performance & Connectivity

Specifications	
Technical Items	Descriptions
Fiber port	1 GPON interface, SC single-mode/single-fiber, Downstream rate 2.5Gbps, Upstream rate 1.25Gbps
Wavelength	Tx 1310nm, Rx 1490nm
Fiber interface	SC-PC
RX sensitivity	<-28dBm (-1490nm)
LAN	*1*10/100/1000Mbps adaptive Ethernet ports, full/half duplex, RJ45 interface
Throughput	Throughput can reach 900Mbps or more
DC power	12V 0.5A, external AC-DC power adapter
Button	Reset, power
Power	≤8W
Operation	Working temperature: -5~+55℃ Working humidity: 10~90%(non-condensation)
Storage	Storage temperature: -30℃~+60℃ Storage humidity: 10~90%(non-condensation)
Dimension	100*65*70mm
Net weight	≤0.2Kg

Detailed technical specifications including interface rates, wavelengths, and environmental tolerances.

Downstream Rate	2.5 Gbps
Upstream Rate	1.25 Gbps
Throughput	e900Mbps
MAC Address Table	2048

Hardware Specifications

Ethernet Interface	1 x 10/100/1000Mbps Adaptive RJ45
Fiber Interface	SC/PC Single-mode/Single-fiber
Dimensions	100 x 65 x 20 mm
Net Weight	0.2 kg

Power & Environment

Power Consumption	8 W
Operating Temperature	-5°C to +55°C
Operating Humidity	10% to 90% (non-condensation)

Features

Key Features	Plug and Play, Auto-detection, Auto-firmware upgrade, AUTO MDIX, Fiber diagnostic monitoring, QoS Support
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