

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 | *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°C Working humidity: 10~90%(non-condensation) |
| Storage | Storage temperature: -30°C~+60°C Storage humidity: 10~90%(non-condensation) |
| Dimension | 100*65*70mm |
| Net weight | ≤0.2Kg |

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

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|-------------------|-----------|
| 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

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

Features

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