



PG100

1GE XPON ONU



IPv4 & IPv6
Dual stack



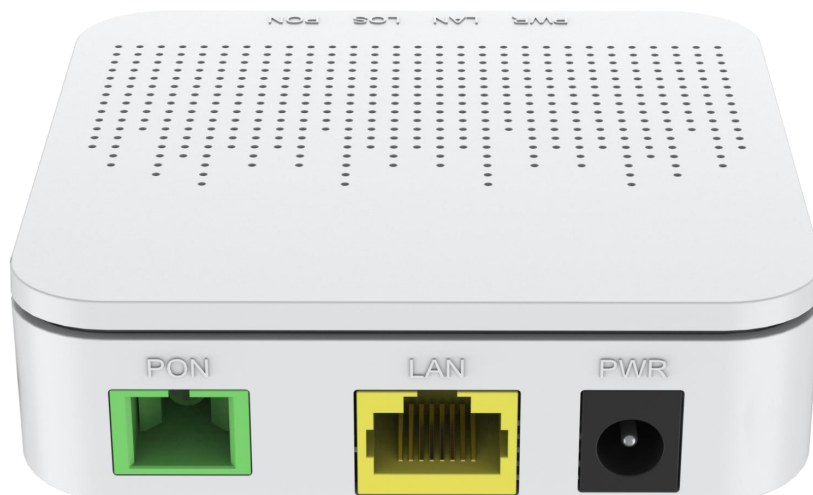
E/GPON Dual
Mode



Routing & Bridging
Mode



Control LED
on/off



PG100

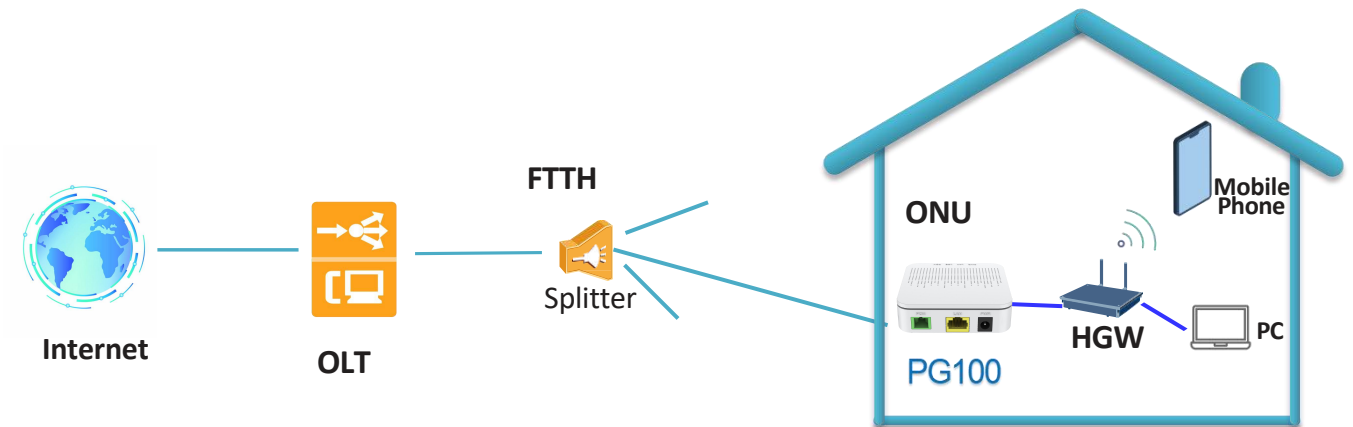
XPON ONU

Introduction

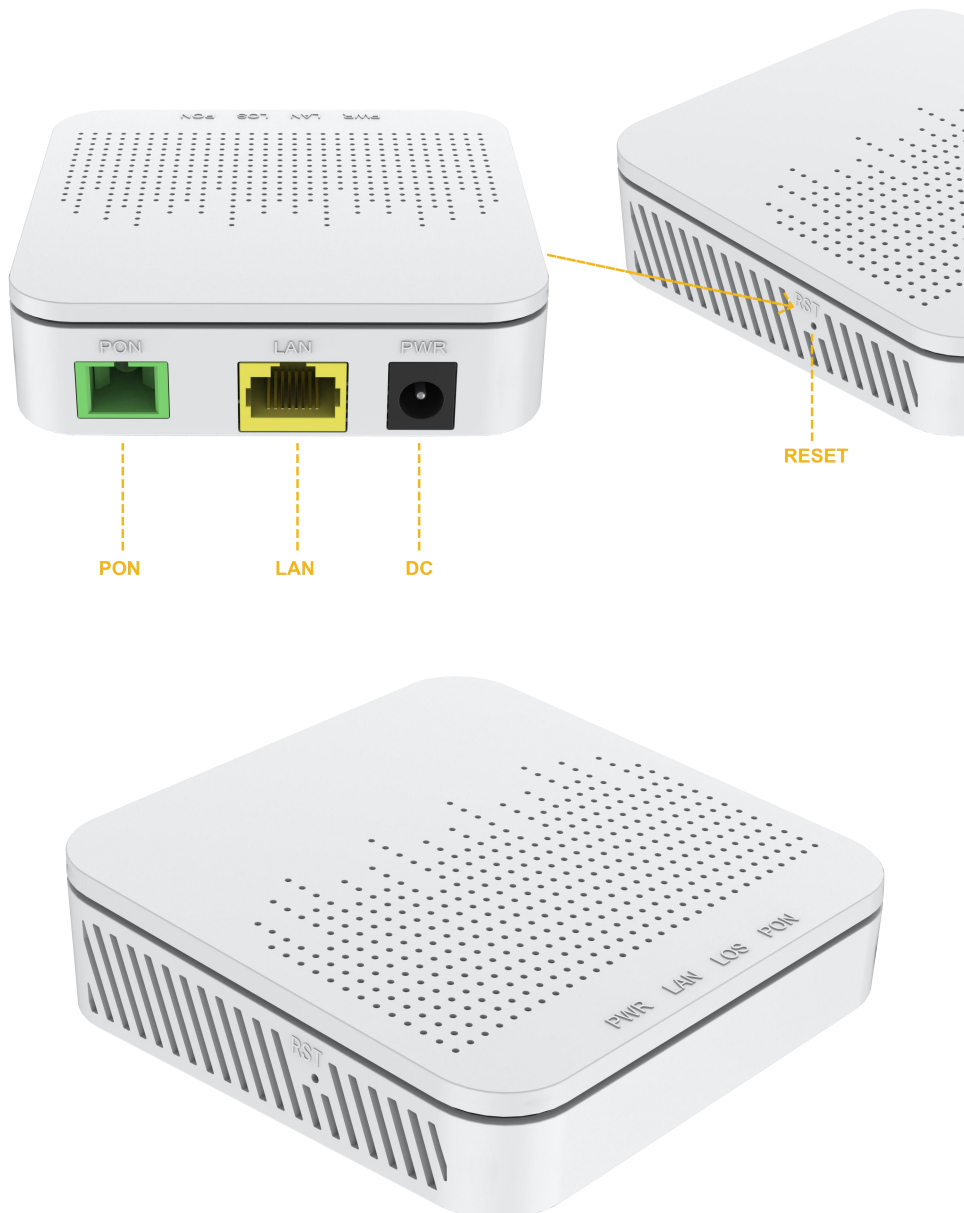
PG100 is a 1GE XPON (GPON and GEAPON dual-mode) SFU ONU. It is designed to meet the multi-service needs of fixed network operators or cable TV operators. It is widely used in FTTO (office), FTTD (desk), FTTH (home) broadband access, CATV, video surveillance and other requirements. The device is fully compliant with ITU-T G.984/G988 and IEEE802.3ah. The device integrates carrier-grade reliability, maintainability and security design to provide customers with last-mile broadband access for residential and enterprise customers. It can also be applied to strict temperature environments and can work stably for a long time without interruption of service.

PG100 is interoperable with all brands of OLT and is easy to install, configure and maintain. The device can identify the working mode of OLT and automatically complete the switching between GPON and EPON. The device can switch freely between bridging mode and routing mode, and supports PPPoE dial-up and IPv6 functions in routing mode to meet the needs of different scenarios.

Application Chart



Product Interface and LED



Product Parameters

Hardware Parameter

Dimension	78mm×78mm×28mm (L×W×H)
Net weight	62g
Operating condition	<ul style="list-style-type: none">• Operating temperature: -10 ~ +45°C• Operating humidity: 10 ~ 90% (non-condensing)
Storing condition	<ul style="list-style-type: none">• Storage temperature: -40 ~ +70°C• Storage humidity: 5 ~ 95% (non-condensing)
Power adapter	DC 12V/0.5A, external AC-DC power adapter
Interfaces	XPON+1GE
Indicators	Power, LOS, PON, LAN
Buttons	Reset Button

Interface Parameter

PON interface	<ul style="list-style-type: none">• 1XPON port(EPON PX20+ and GPON Class B+)• PON standard: GEAPON IEEE802.3ah, GPON ITU-T G.984• SC single mode, SC/APC or SC/UPC connector• TX optical power: 0~4dBm(EPON) or 0.5~5dBm(GPON)• RX sensitivity: EPON: -27dBm, GPON: -28dBm• Overload optical power: -3dBm(EPON) or -8dBm(GPON)• Transmission distance: 20KM• Wavelength: TX 1310nm, RX1490nm, CATV 1550nm
LAN interface	1×GE Auto-negotiation RJ45 port

Software Features

PON	<ul style="list-style-type: none">• XPON Dual Mode• SN and LOID+Password multiple registration methods
Layer2	<ul style="list-style-type: none">• Support port-based rate limitation and bandwidth control• Support Port Speed/Duplex Configure• Support MAC address learning account limit• Support VLAN transparent/tag/translate/trunk
Layer3	<ul style="list-style-type: none">• IPv4 & IPv6• Bridging and Routing Mode• DHCP v4/v6 Client/Server• PPPoE• Support Static Routing
Multicast	<ul style="list-style-type: none">• Support igmp snooping/proxy mode• Support MultiCast VLAN & MultiCast Maximum Address
Security and Firewall	<ul style="list-style-type: none">• DDoS, Filtering Based on ACL/MAC/URL• Port Forwarding , DMZ• HTTP/SSH/Telnet Service Access Control
Management	<ul style="list-style-type: none">• Support Telnet, CLI, OMCI/OAM and Web management• Support Led Turn Off/On• Ping Diagnostics

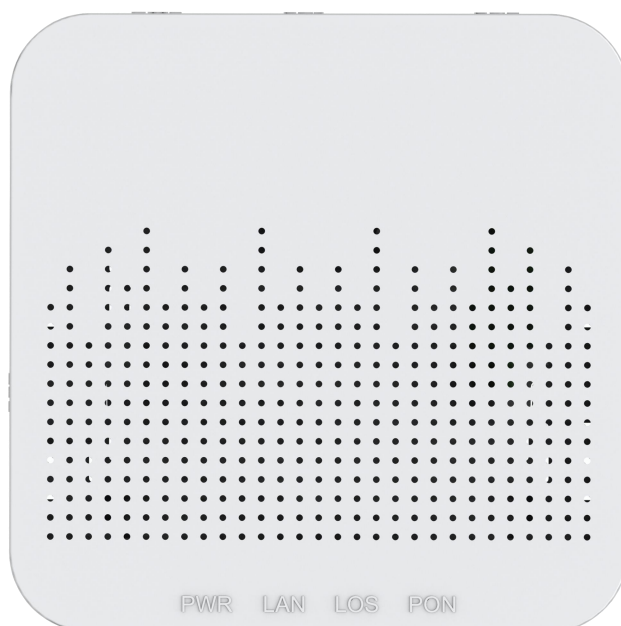
Package

Package	<ul style="list-style-type: none">• 1 x ONU• 1 x Quick Installation Guide• 1 x Power Adapter
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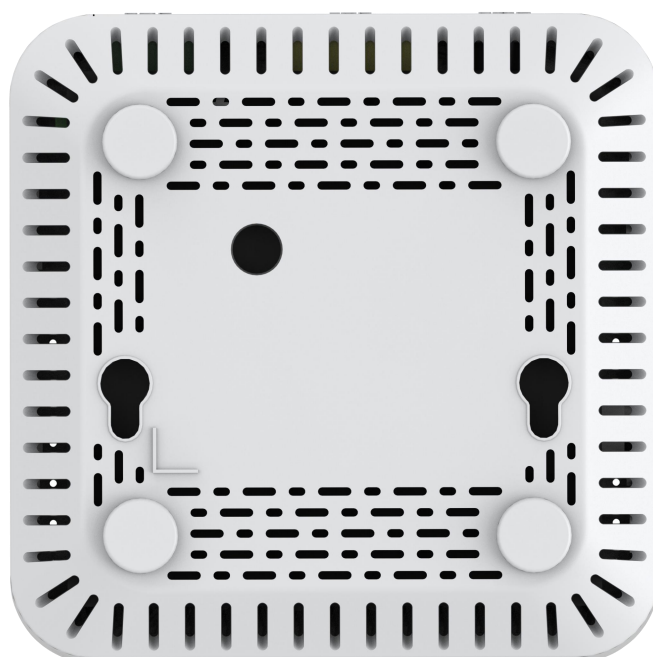
Ordering information

Product Name	Product Description	Accessories
PG100	XPON+1GE	AC-DC power adapter: DC12V/0.5A

Top



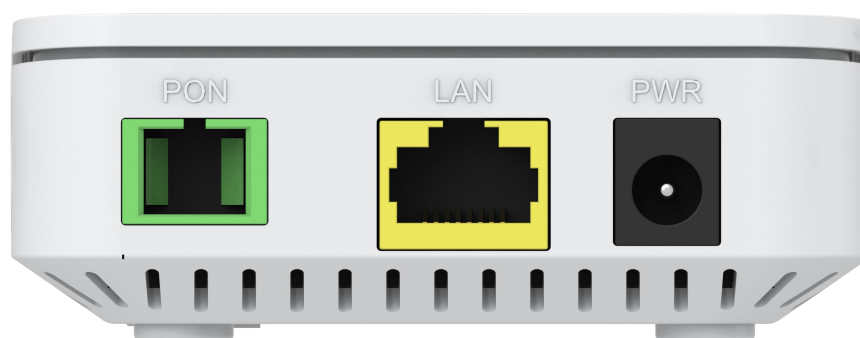
Bottom



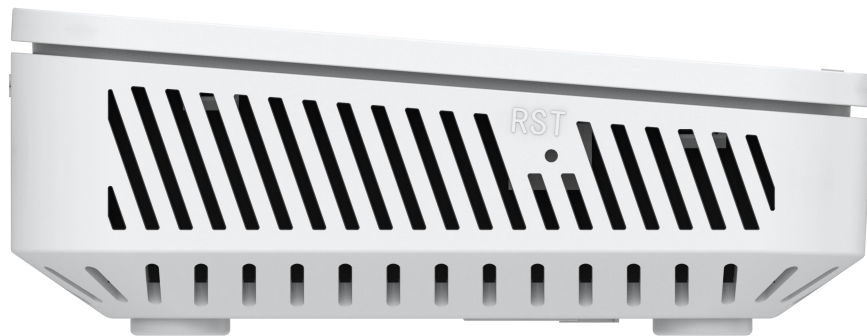
Front



Back



Left



Right

