![GS Make life better logo]

PG412PL4

4GE+1POTS+AC1200 GPON ONU

802.11ac 2.4GHz

300Mbps

802.11ac 5GHz

900Mbps

PG412PL4

WiFi 5 AC1200 DualBand VoIP GPON Router

IPv4 & IPv6
Dual stack

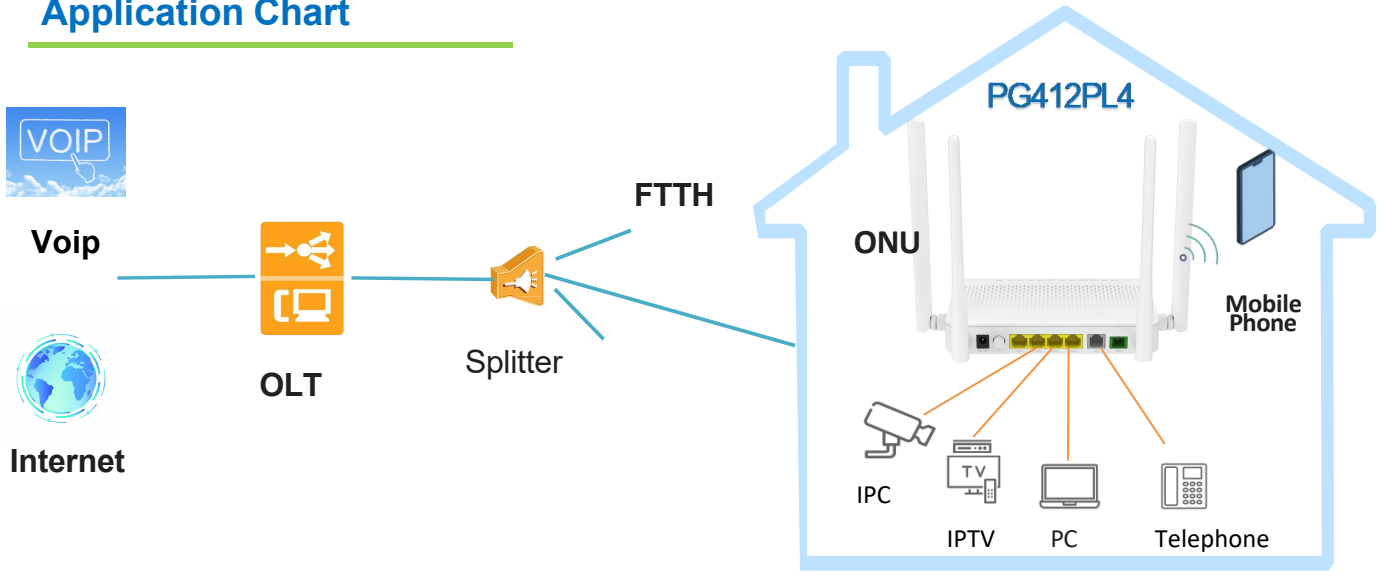E/GPON Dual
Mode

Routing & Bridging
Mode

Dual Band 4*Antennas
AC 1200Mbps

Introduction

PG412PL4 is 4GE+1POTS+AC1200 with USB optional XPON(GPON and GEPON dual mode) HGU ONU.The device is fully comply with ITU-T G.984/G988 and IEEE802.3ah. The equipment integrates the reliability, maintainability and security design of carrier-grade level, and provides customers with the last kilometer of broadband access to residential and corporate customers. It can also be applied to a strictly temperature environment, and can work stable for longtime without service interruption.

PG412PL4 is interoperable with all brands of OLT and Easy to install, provisioning and maintenance. The device can identify the working mode of the OLT to automatically complete the switch between GPON and EPON, The device can be freely switched between bridge and routing modes, and supports PPPoE dial-up and IPv6 functions in routing mode to meet the needs of different scenarios.

Application Chart

VOIP

Voip

Internet

OLT

Splitter

FTTH

ONU

PG412PL4

Mobile Phone

IPC

TV

IPTV   PC   Telephone

Product Interface and LED

1. Power on the device

5. Connect WiFi and test speed

CATV WPS WIFI TEL USB LAN2 LAN1 Internet LOS PON Power

3. Connect Ethernet port, set up the services and browser internet

4. (Optional) Connect telephone and check the service

2. Plug in the fiber and register device to the OLT

Product Parameters

Hardware Parameter

Dimension	220mm×130mm×38mm（L×W×H）
Net weight	269g
Operating condition	• Operating temperature: -10 ~ +50℃ • Operating humidity: 10 ~ 90% (non-condensing)
Storing condition	• Storage temperature: -40 ~ +70℃ • Storage humidity: 5 ~ 95% (non-condensing)
Power adaptor	DC 12V/1A, external AC-DC power adaptor
Interfaces	XPON+4×GE+USB2.0+POTS+WiFi AC1200
Buttons	Reset,WPS
Indicators	Power, PON, LOS,Internet, LAN1-4, USB,TEL, 2.4G, 5G, WPS

Interface Parameter

PON interface	• 1XPON port(EPON PX20+ and GPON Class B+) • PON standard: GEPON IEEE802.3ah, GPON ITU-T G.984 • SC single mode, 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	• 4×GE Auto-negotiation RJ45 ports
POTS interface	• 1×RJ11 Connector
USB interface	• 1×USB 2.0
WiFi interface	• Compliant with IEEE802.11b/g/n/ac • WiFi: 2.4GHz 2×2, 5.8GHz 2×2 MIMO • 4*5dBi external antennas • Multiple SSID

Software Features

PON	• XPON Dual Mode • SN and LOID+Password multiple registration methods
Layer2	• Support VLAN transparent/tag/translate/trunk • Support Layer 2 802.1Q VLAN, 802.1P QoS, ACL etc
Layer3	• IPv4, IPv6 and IPv4/IPv6 dual stack • Support bridge, router & bridge/router mixed mode • DHCP v4/v6 Client/Server, PPPoE & Static • Support Static Routing • Support hardware NAT
Multicast	• Support IGMP v2 and MLD proxy/ snooping • Support MultiCast VLAN & MultiCast Maximum Address
Security and Firewall	• DDoS, Filtering Based on ACL/MAC/URL • Support DDNS, ALG, UPnP, Port forwarding, DMZ • HTTP/SSH/Telnet Service Access Control • Support Parent control • Support PPTP , L2TP, Pass-through service
QoS	• Support 4 queues • Support SP, WRR, 802.1P and DSCP
VoIP	• SIP and IMS SIP • G.711a/G.711u/G.722/G.729/G.723/G.726 Codec • Echo cancellation,VAD/CNG,DTMF Relay • T.30/T.38 FAX • Caller Identification/Call Waiting/Call Forwarding/Call Transfer/Call Hold/3-way Meeting conference • Line testing according to GR-909 • Support high-quality broadband voice
WiFi	• Integrated 802.11b/g/n/ac • Authentication:WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) /WPA3/ WPA3 Transition • Modulation type:DSSS,CCK and OFDM • Easymesh
Management	• Support Telnet, CLI, OMCI/OAM ,TR069 and Web management

Package

Package	• 1 x ONU • 1 x Quick Installation Guide • 1 x Power Adaptor

Ordering information

Product Name	Product Description	Accessories
PG412PL4	XPON+4GE+USB2.0+1POTS+WiFi AC1200	AC-DC power adaptor: DC12V/1A