



PG212PC

2GE+1POTS+CATV+AC1200 GPON ONU

Raw Speed

802.11ac 2.4GHz

300Mbps

802.11ac 5GHz

900Mbps



PG212PC

WiFi 5 AC1200 DualBand VoIP GPON Router



IPv4 & IPv6
Dual stack



E/GPON Dual
Mode



Routing & Bridging
Mode



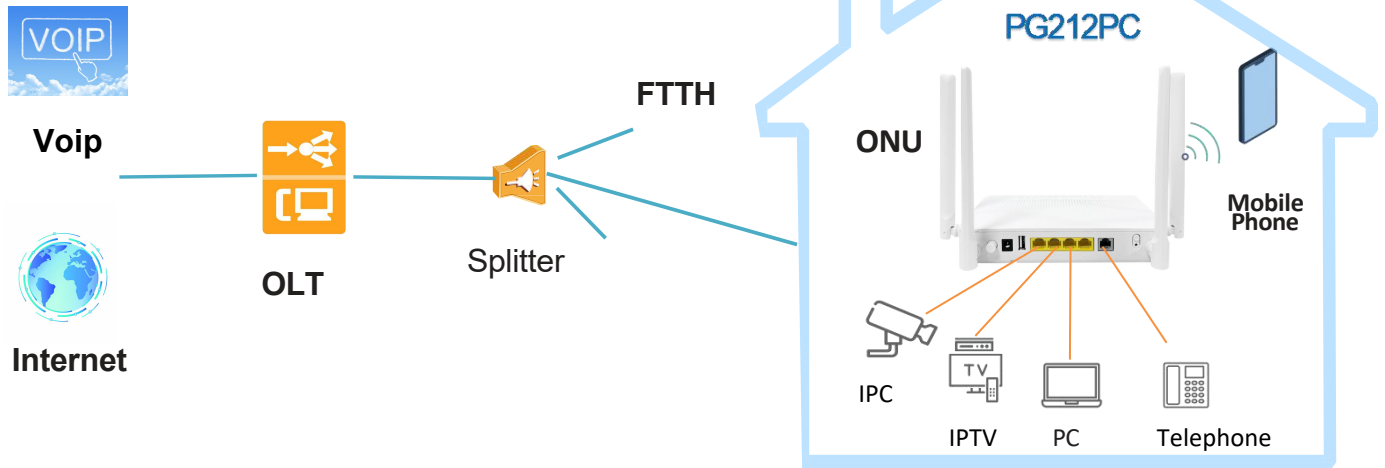
Dual Band 2*Antennas
AC 1200Mbps

Introduction

PG212PC is 2GE+1POTS+CATV+AC1200 with USB optional XPON(GPON and GEAPON 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.

PG212PC 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



Product Interface and LED

Product Parameters

Hardware Parameter	
Dimension	165mm×140mm×30mm (L×W×H)
Net weight	294g
Operating condition	<ul style="list-style-type: none">• Operating temperature: -10 ~ +50°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/1.5A, external AC-DC power adapter
Interfaces	XPON+2×GE+USB2.0+POTS+CATV+WiFi AC1200
Buttons	Reset, WPS
Indicators	Power, PON, LOS, Internet, LAN1-2, USB, TEL, 2.4G, 5G, WPS, CATV

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/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	<ul style="list-style-type: none">• 2×GE Auto-negotiation RJ45 ports
POTS interface	<ul style="list-style-type: none">• 1×RJ11 Connector
USB interface	<ul style="list-style-type: none">• 1×USB 2.0
CATV interface	<ul style="list-style-type: none">• RF Optical power : +2~-18dBm• Optical return loss: ≥45 dB• Optical receiving wavelength: 1550±10nm• RF frequency range: 47~1000MHz• RF output impedance: 75Ω• RF output return loss: ≥14 dB• RF output level: ≥ 76±2dBuV(@-15~0dBm)• AGC range: 0~-15dBm• C/N: ≥47dB@-7dBm• CTB: ≥60dB@-7dBm• CSO: ≥60dB@-7dBm• MER: ≥35dB(-10dBm optical input)
WiFi interface	<ul style="list-style-type: none">• Compliant with IEEE802.11b/g/n/ac• WiFi: 2.4GHz 2×2, 5.8GHz: 2×2 MIMO• 2*5dBi external antennas• Multiple SSID

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 VLAN transparent/ tag/ translate/ trunk• Support Layer 2 802.1Q VLAN, 802.1P QoS, ACL etc
Layer3	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Support IGMP V2 and MLD proxy/ snooping• Support MultiCast VLAN & MultiCast Maximum Address
Security and Firewall	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Support 4 queues• Support SP, WRR, 802.1P and DSCP
VoIP	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Integrated 802.11b/g/n/ac• Authentication:WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) • Modulation type:DSSS,CCK and OFDM• Easymesh
Management	<ul style="list-style-type: none">• Support Telnet, CLI, OMCI/OAM ,TR069 and Web management

Package

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

Product Name	Product Description	Accessories
PG212PC	XPON+2GE+USB2.0+1POTS+CATV+WiFi AC1200	AC-DC power adaptor: DC12V/1.5A