

ZYXEL



PMG5617GA

Dual-band Wireless AC/N GPON HGU with 4-port GbE LAN



Integrated Internet services through fiber optics



Zyxel OPAL realizes the modulation of CPE feature set.

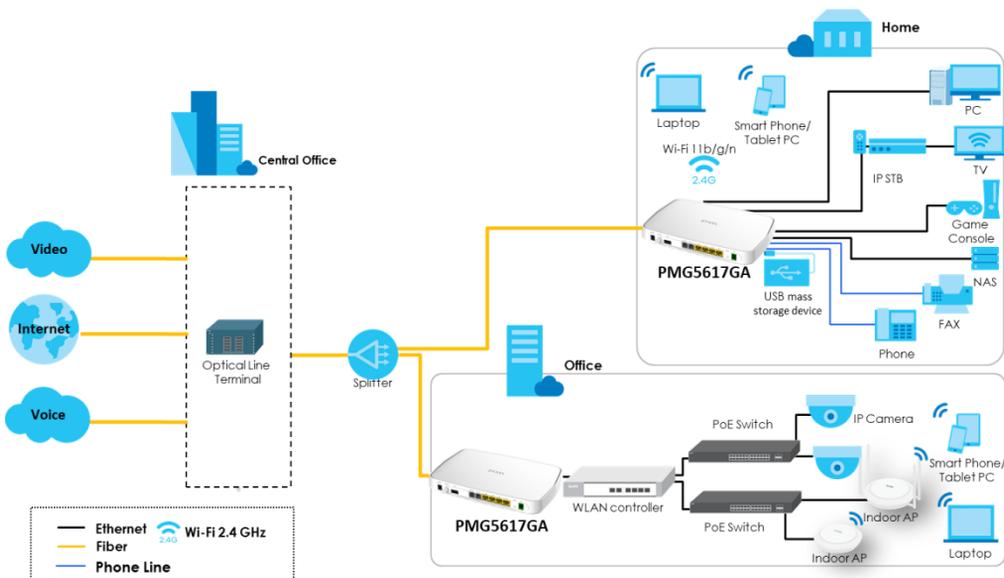


802.11ac/n dual band WLAN for Superior performance and coverage



Provisioning and management through TR-069 along with OMCI

Application Diagram



Front Panel



Rear Panel



System Specifications

GPON Features

- Comply ITU-T G.984.x/ G.988 GPON standard:
- Comply with class B+ type PMD
- ONT receiver sensitivity: -28 dBm
- Support DS/US transmission rate to 2.488 Gbps/1.244 Gbps
- Wavelength: 1490 nm downstream & 1310 nm upstream
- Physical distance reach to 20 km
- Support Dynamic Bandwidth Allocation (DBA)
- Configurable AES DS and FEC DS/US
- GPON Encapsulation Method (GEM) supports Ethernet packet
- Supports GEM header removal/insertion and data extraction/ segmentation (GEM SAR)
- Support up to 8 priority queues (US) on each GPON T-CONT

Ethernet (LAN) Features

- RJ-45 GE 10/100 Base T/TX; 1000 Base T/TX IEEE802.3, 802.3u, 802.3ab
- Support frame size: up to 1522 bytes
- Full duplex IEEE 802.3x
- MAC address learning
- IPv6 address transparent

Networking Features

- IEEE 802.1D Transparent bridge
- IPv4 NAT/Routing
- Static Routing, Dynamic Routing (RIP)
- IPv6 with IPv6 Routing;
- IPv6 DualStack/ 6RD/ DS-Lite
- Network Address Translation (NAT)/
- Network Address Port Translation (NAPT)
- Port Forwarding
- PPPoE client (RFC 2516)
- Dynamic Host Configuration Protocol (DHCP) Client/ Server
- ALG(SIP, RTSP), UpnP
- DDNS/DNS server/DNS client

VoIP

- Voice Functionality:
 - Codec: G.711 a/u, G.722, G.726
 - DTMF tone: detection and generation
 - DTMF Relay by In-band and out-of-band
- Phone Features:
 - Internal call
 - T.30/T.38/G.711 fax mode
 - Call waiting
 - Call forwarding (No condition, Busy, No answer)
 - Call transferring (Blind, ConsultOnHold, Attendant)
 - Call hold/call retrieve
 - Three-way conference
 - Second call/adding an outgoing call
 - Switch between 2 active calls

WLAN

- IEEE 802.11b/g/n (2.4 GHz, 2x2 MIMO, up to 300 Mbps)
- IEEE 802.11ac/a/n (5 GHz, 2x2 MIMO, up to 866 Mbps)
- Wireless Protected Setup (WPS)
- WEP data encryption (64/128 bit)
- WPA/WPA2 (Wi-Fi protected access)
- Multiple SSID (up to 4)

Security

- Static Packet Inspection (SPI) Firewall
- MAC/IP/URL addresses filtering

Multicast

- IGMP v1/v2/v3
- IGMP snooping
- IGMP Fast Leave
- IPv6 MLD v1/v2 snooping

QoS

- 802.1p priority
- SP/WRR/ SP+WRR

USB

- File sharing

Management

- WEB
- TELNET (CLI)
- OMCI (G.984.4)
- TR069
- Firmware upgrade via FTP/ WEB GUI / OMCI
- Zyxel Auto-Provisioning

Hardware Specifications

- WAN: One Giga optical interface SC/APC
- Phone: Two FXS RJ-11 ports
- LAN: Four 10/100/1000Mbps Ethernet RJ-45 ports
- UPS: Power input: DC 12V, 8 pin connector
- USB: One USB 2.0 hosts
- WPS button: A tact switch
- Reset: A tact switch. One reset/restore factory default button
- Power button: Power On/Off switch(2-stage Lockable Pushbutton)
- LEDs indicators:
 - Power*1
 - PON*1
 - Internet*1
 - WLAN 2.4G/WPS*1
 - WLAN 5 G/WPS*1
 - PHONE*2
 - USB*1
 - UPS*1
 - LAN *4 (on connector)
- Power supply: DC 12V/2 A

Physical Specifications

- Product Dimension:
 - 252_(L) x 162_(W) x 32_(H)
- Product weight: 345g (0.76 lb.)
- Packing dimensions:
 - 365_(L) x 202_(W) x 49mm_(H)
- Packing weight: 510g (1.12 lb.)

Environmental Specifications

Operating Environment

- Temperature: 0°C to 45°C (32°F to 113°F)
- Humidity: 10% to 90% RH (Non-condensing)

Storage Environment

- Temperature: -30°C to 70°C (-22°F to 158°F)
- Humidity: 10% to 95% RH (Non-condensing)

Certification

- EMC: CE
- Safety: CE LVD
- Energy Saving: CE ErP

Package Contents

- Device
- Power adaptor
- Ethernet cable
- RJ11 cable
- Quick Start Guide
- Safety warning & DoC letter

For more product information, visit us on the web at www.zyxel.com

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