

4GE+2WIFI6 (AX1500) XPON ONU

AP204C Series



- **In compliant with IEEE802.3ah and ITU - T G.984 standard**
- **Port VLAN configuration**
- **Broadcasting storm resistance function**
- **Dynamic Bandwidth Allocation(DBA)**
- **EMS network management based on SNMP ,convenient for maintenance**

The AP204C Series Wi-Fi 6 XPON ONU is a next-generation fiber broadband gateway designed for high-speed FTTH and FTTx deployments. Combining dual-mode GPON/EPON access, four Gigabit Ethernet ports, and AX1500 dual-band Wi-Fi 6 connectivity, the AP204C delivers reliable Gigabit broadband services for residential and small business users. The ONU automatically adapts to GPON or EPON networks and offers seamless interoperability with major OLT vendors, providing operators with a flexible and future-ready broadband access solution.

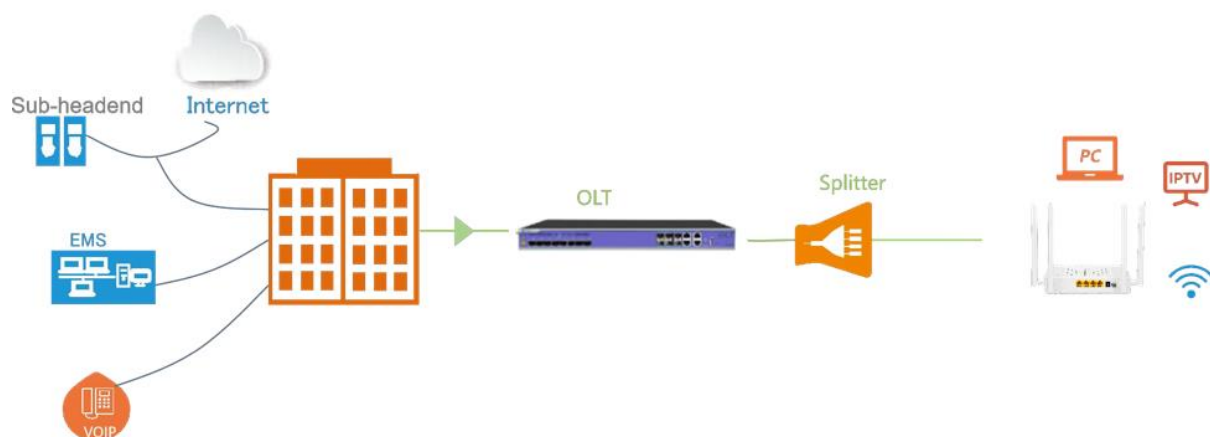
The AP204C integrates one XPON optical interface, four 10/100/1000Mbps Ethernet ports, and dual-band Wi-Fi 6 technology supporting 802.11ax on 5GHz and 802.11n on 2.4GHz, delivering aggregate wireless speeds of up to 1500Mbps. Advanced features including Dynamic Bandwidth Allocation (DBA), VLAN management, QoS, IGMP Snooping/Proxy, firewall protection, and AES encryption ensure efficient bandwidth utilization, enhanced security, and superior user experience for Internet, IPTV, and multimedia services.

Designed for carrier-grade reliability and simplified network operation, the AP204C supports ONU auto-discovery, remote provisioning, software upgrades, SNMP-based management, and multiple authentication methods including SN and LOID+Password. Its compact desktop design, low power consumption, and powerful wireless performance make it an ideal solution for operators seeking to deliver next-generation fiber broadband and whole-home connectivity services.

Key Features

- In compliant with IEEE802.3ah and ITU - T G.984 standard
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support SN and LOID+Password multiple registration methods
- Support port VLAN configuration
- Support port-based rate limitation and bandwidth control
- Support MAC address learning
- Support MAC address learning account limit
- Support VLAN transparent/tag/translate/trunk
- Support broadcasting storm resistance function
- Support igmp transparent/snooping/proxy mode
- Support Dynamic Bandwidth Allocation(DBA)
- Support AES encryption and decryption
- EMS network management based on SNMP, convenient for maintenance
- Support power-off alarm function, easy for link problem detection
- Support Firewall
- Support MAC address/URL filter
- Support remote WEB/Telnet access control

Application Diagram



Specifications

| Parameter | Description | |
|-------------------------|--|--|
| Hardware | | |
| User Port(LAN) | RJ-45 connector 4*10/100/1000Mbps adaptive Ethernet port Full/Half Duplex Auto MDI/MDI-X | |
| Indicators | | |
| PON Port | PON Mode | PWR/PON/LOS/LAN1-4/INT/WIFI EPON: 1000BASE-PX20+ symmetric GPON: FSAN G.984.2 standard, Class B+ |
| | Port Rate | EPON: 1.25Gbps downstream/upstream GPON: 2.488Gbps/1.244Gbps downstream/upstream |
| | Wavelength | Transmit: 1310nm Receiver: 1490nm |
| | Receiving Sensitivity | EPON: -27dBm GPON: -28dBm |
| | Saturation Power | EPON: -3dBm GPON: -8dBm |
| | Transmitting Power | EPON: 0 to 4dBm GPON: 0.5 to 5dBm |
| Power | | |
| Adapter | External 12VDC/1A power supply adapter | |
| Power Consumption | <11W | |
| Environment | | |
| Working Temperature | 0°C to 40°C | |
| Operating Humidity | 10 to 90%(Non-condensing) | |
| WIFI Performance | | |
| WIFI | IEEE802.11b/g/n(2.4G), IEEE802.11a/n/ac/ax(5G) | |
| Max Rate | 40Mhz bandwidth maximum rate 300Mbps(2.4G) 80Mhz bandwidth maximum rate 1201Mbps(5G) Total wireless rate is 1500Mbps | |
| MAX TX Power | 24dBm(2.4G EIRP), 22dBm(5G EIRP) | |
| Mechanics | | |
| Dimensions | 170mm(L) x 120mm(W) x 41mm(H) | |
| Weight | About 228g | |

Ordering Information

| Product Name | Product Description |
|--------------------|---|
| AP204C-GE-00-X-S-2 | AP200C GPON CPE 1xPON(1.25G US, 2.5G DS), 4xGE, WIFI b/g/n/ac/ax, AX1500, Single Fiber, SC/PC, PS included |

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