

4GE+2WIFI6 (AX3000) XPON ONU



AP204C Series

- **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 AX3000 XPON ONU is a high-performance fiber broadband gateway designed for next-generation FTTH and FTTx networks. Combining dual-mode GPON/EPON access, four Gigabit Ethernet ports, and dual-band Wi-Fi 6 (AX3000) technology, the AP204C delivers ultra-fast wired and wireless connectivity for residential, enterprise, and smart home applications. The ONU automatically adapts to GPON or EPON networks and provides seamless interoperability with mainstream OLT platforms.

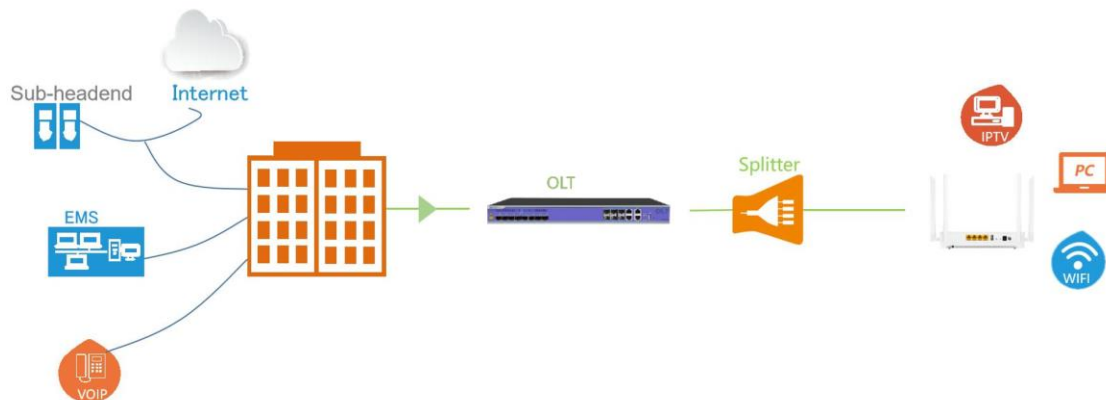
Equipped with one XPON optical interface, four 10/100/1000Mbps Ethernet ports, and advanced Wi-Fi 6 technology, the AP204C supports wireless speeds of up to 3000Mbps, including 574Mbps on 2.4GHz and 2402Mbps on 5GHz. The device incorporates advanced networking features such as Dynamic Bandwidth Allocation (DBA), VLAN management, QoS, IGMP Snooping/Proxy, AES encryption, firewall protection, and EasyMesh support, ensuring optimized bandwidth utilization, enhanced security, and seamless whole-home wireless coverage.

Designed for carrier-grade reliability and simplified network operation, the AP204C supports ONU auto-discovery, remote software upgrades, SNMP-based management, multiple authentication methods (SN and LOID+Password), and power-failure alarm reporting. Its powerful wireless performance, compact desktop design, and comprehensive management capabilities make it an ideal solution for operators delivering Gigabit broadband, IPTV, smart home, and next-generation Wi-Fi services.

Key Features

- 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
- Support Easymesh
- 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 EPON: 1000BASE-PX20+ symmetric GPON: ITU-T 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 12V/1.5A power supply adapter
Power Consumption	<18W
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 574Mbps(2.4G) 160Mhz bandwidth maximum rate 2402Mbps(5G) Total wireless rate is 3000Mbps
MAX TX Power	23dBm(2.4G)/19dBm(5G)
Mechanics	
Dimensions	210mm(L) x 135mm(W) x 45mm(H)
Weight	About 228g

Ordering Information

Product Name	Product Description
AP204C-GE-00-X-3-2	AP200C GPON CPE 1xPON(1.25G US, 2.5G DS), 4xGE, WIFI b/g/n/ac/ax, AX3000, Single Fiber, SC/PC, PS included

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