

4GE+WIFI 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 XPON ONU is a compact and cost-effective fiber broadband gateway designed for FTTH and FTTx access networks. Integrating dual-mode GPON/EPON technology, four Gigabit Ethernet ports, and 300Mbps Wi-Fi connectivity, the AP204C provides reliable broadband access and wireless coverage for residential and small office applications. The ONU automatically adapts to GPON or EPON networks and offers seamless interoperability with mainstream OLT platforms.

Equipped with one XPON optical interface and four 10/100/1000Mbps Ethernet ports, the AP204C delivers stable high-speed Internet access over a single fiber connection. The integrated wireless access point supports IEEE 802.11b/g/n standards and enables convenient Wi-Fi connectivity for multiple devices. Advanced features including VLAN, QoS, IGMP Snooping/Proxy, Dynamic Bandwidth Allocation (DBA), AES encryption, firewall protection, and SNMP-based management ensure efficient network operation, enhanced security, and simplified maintenance.

Designed for carrier-grade deployment, the AP204C supports ONU auto-discovery, remote provisioning, software upgrades, multiple authentication methods (SN and LOID+Password), and power-failure alarm reporting. With its compact design, low power consumption, and comprehensive management capabilities, the AP204C is an ideal solution for operators delivering broadband Internet and wireless services over GPON and EPON access networks.

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
- 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
- Single-fiber access, provides internet, WIFI multiple service

Application Diagram



Specifications

Parameter	Description	
Hardware		
User Port(LAN)	RJ-45 Connector 4*10/100/1000 Mbps adaptive Ethernet port Full/half duplex Auto MDI/MDI-X	
Indicators		
PON Port	PON Mode	PWR/PON/LOS/LAN/INT/WIFI EPON: 1000BASE-PX20+ symmetric GPON: FSAN G.984.2 standard,Class B+
	PON Rate	EPON: 1.25Gbps downstream/upstream GPON: 2.488Gbps/1.244Gbps downstream/upstream
	Wavelength	Transmit: 1310nm Receiver: 1490nm
	Receiving Sensitivity	EPON: -27dBm GPON: -28dBm
	Saturated Power	EPON: -3dBm GPON: -8dBm
	Transmitting Power	EPON: 0 to 4dBm GPON: 0.5 to 5dBm
WIFI Performance Parameter		
WIFI	IEEE802.11b/g/n	
Max Rate	300M	
MAX TX Power	17dBm(2.4G)	
Power		
Adapter	External 12VDC/1A power supply adapter	
Power Consumption	<13W	
Environment		
Working Temperature	0°C to 40°C	
Operating Humidity	10 to 90%(Non-condensing)	
Mechanics		
Dimensions	214mm(L) x 139.5mm(W) x 32mm(H)	
Weight	About 0.20kg	

Ordering Information

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

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