

## 4GE XPON ONU

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### 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 high-performance fiber broadband access terminal designed for residential, enterprise, and FTTx network deployments. Featuring four Gigabit Ethernet ports and dual-mode GPON/EPON auto-adaptive technology, the AP204C automatically detects and connects to the corresponding OLT network, providing operators with a flexible and cost-effective solution for broadband service delivery. The device is fully compliant with ITU-T G.984 and IEEE 802.3ah standards and supports interoperability with major OLT platforms.

Equipped with one XPON optical interface and four 10/100/1000Mbps Ethernet ports, the AP204C delivers high-speed broadband access over a single fiber connection. Advanced Layer 2 features including VLAN, QoS, IGMP Snooping, bandwidth control, port isolation, and multicast management ensure reliable and efficient service delivery for Internet, IPTV, and enterprise applications. The ONU also supports AES encryption, Dynamic Bandwidth Allocation (DBA), SNMP management, and remote provisioning, enabling simplified operation and maintenance.

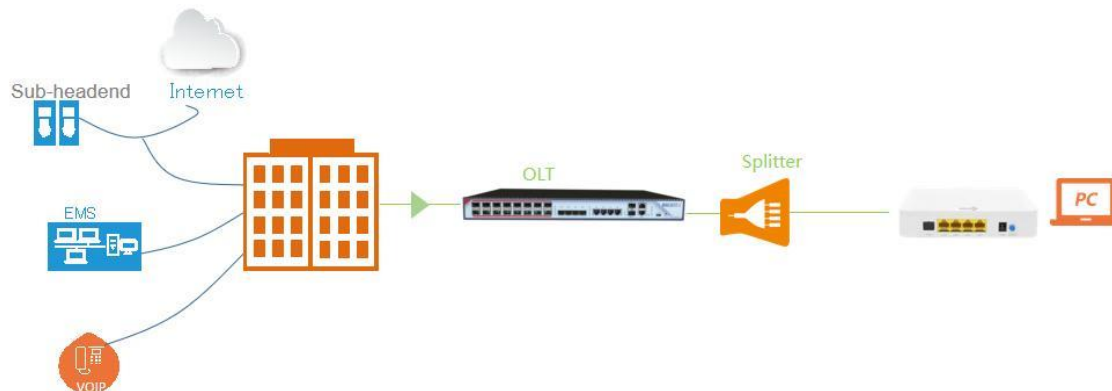
Designed for carrier-grade reliability, the AP204C supports automatic ONU discovery, remote software upgrades, multiple authentication methods, and power-failure alarm reporting. Its compact desktop design, low power consumption, and comprehensive management capabilities make it an ideal solution for modern GPON and EPON access networks requiring multiple Gigabit Ethernet connections.

## Key Features

- Compliant with IEEE802.3ah and ITU - T G.984 standard
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support multiple registration methods
- Support port VLAN configuration
- Support MAC address learning
- Support port-based rate limitation and bandwidth control
- Support port isolate
- Support igmp transparent/snooping/proxy mode
- Support remote management configuration
- 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 broadcasting storm resistance function
- Support port flow-control

## Application Diagram

- Typical Solution: FTTH
- Typical Business: Internet



## Specifications

Parameter	Description	
<b>Hardware</b>		
<b>GPON/EPON Port</b>		
Port Type		Single mode single fiber
	GPON	FSAN G.984.2 standard, Class B+
	EPON	1000BASE-PX20+ symmetric
	GPON	2.488Gbps/1.244Gbps downstream/upstream
	EPON	1.25Gbps downstream/upstream
Wavelength	Transmit	1310nm
	Receiver	1490nm
Receiving Sensitivity	GPON	-28dBm
	EPON	-27dBm
Saturated Power	GPON	-8dBm
	EPON	-3dBm
Transmitting Power	GPON	0.5dBm to 5dBm
	EPON	0dBm to 4dBm
Dimension and Weight	Item Dimension	160mm(L) x 112mm(W) x 28.5mm (H)
	Item Weight	0.20kg
User Port(LAN)		RJ-45 Connector 4*10/100/1000 Mbps adaptive Ethernet port Full/half duplex Auto MDI/MDI-X
Indicators		PWR/PON/LOS/LAN/INT
<b>Power</b>		
Adapter		External 12VDC/1A power supply adapter
Power Consumption		<4.5W
<b>Environment</b>		
Working Temperature		0°C to 40°C
Storage Temperature		-40 to 85° C
Operating Humidity		10 to 90%(Non-condensing)
<b>Software</b>		
<b>Parameter</b>		<b>Description</b>
Management	EPON	OAM/WEB/TR069/Telnet
	GPON	OMCI/WEB/TR069/Telnet
Register		Auto-discovery/Link detection/Remote upgrade software Auto/MAC/SN/LOID+Password authentication
Switch		MAC address learning MAC address learning account limit Broadcast storm suppression VLAN transparent/tag/translate/trunk
Multicast		IGMP V2 IGMP VLAN IGMP transparent/Snooping/Proxy
Security		Firewall MAC address/URL filter Remote WEB/Telnet access control

## Ordering Information

**Product Name**

AP204C-GE-00-0-S-2

**Product Description**

AP200C GPON CPE 1xPON(1.25G US, 2.5G DS ), 4xGE, Single Fiber, SC/PC, EU Power Supply Included

## Contact Information



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