

## 2GE+Wi-Fi 5 AC1200 XPON ONU

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### AP202C Series



- **Compliant with IEEE802.3ah and ITU - T G.984 standard**
- **Single-fiber access, provides internet multiple service**
- **Broadcasting storm resistance function**
- **Dynamic Bandwidth Allocation(DBA)**
- **EMS network management based on SNMP ,convenient for maintenance**

The AP202C Series XPON ONU is a high-performance fiber broadband access terminal designed for FTTH and FTTx deployments. Combining GPON/EPON dual-mode capability, dual Gigabit Ethernet ports, and dual-band Wi-Fi 5 (AC1200) connectivity in a compact indoor design, the AP202C delivers reliable high-speed Internet access for residential and small business users. The ONU automatically adapts to GPON or EPON networks and supports interoperability with major OLT vendors including Huawei, ZTE, FiberHome, and ACT platforms.

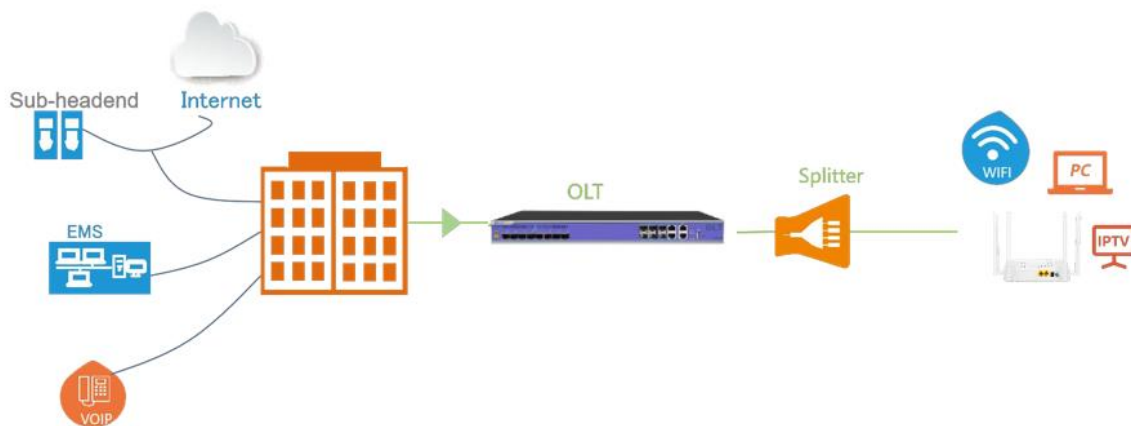
Equipped with one XPON optical interface, two 10/100/1000Mbps Ethernet ports, and integrated 2.4GHz/5GHz wireless connectivity, the AP202C provides seamless wired and wireless broadband services over a single fiber connection. Compliant with IEEE 802.3ah and ITU-T G.984 standards, the device supports advanced networking features including Dynamic Bandwidth Allocation (DBA), VLAN configuration, QoS, SNMP-based management, firewall protection, and remote software upgrades, enabling operators to deliver secure and efficient broadband services.

Designed for easy deployment and maintenance, the AP202C supports ONU auto-discovery, remote provisioning, multiple authentication methods (SN/LOID+Password), and power-failure alarms. Its low-power operation, compact footprint, and carrier-grade reliability make it an ideal solution for modern fiber access networks requiring both Gigabit Ethernet and high-speed wireless connectivity.

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

## Application Diagram



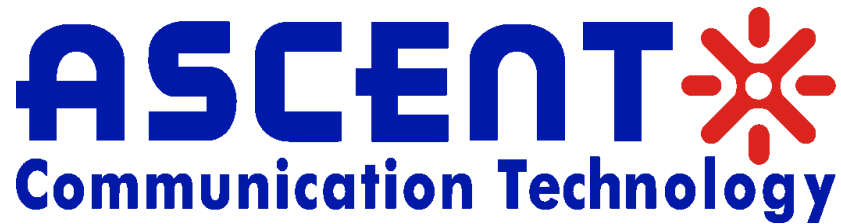
## Specifications

Parameter	Description	
<b>Hardware</b>		
User Port(LAN)		RJ-45 connector 2*10/100/1000Mbps adaptive Ethernet port Full/Half Duplex Auto MDI/MDI-X
<b>Indicators</b>		
PON Port	PON Mode	PWR/PON/LOS/LAN 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
<b>Power</b>		
Adapter		External 12VDC/1A power supply adapter
Power Consumption		≤11.4W
<b>Environment</b>		
Working Temperature		0°C to 40°C
Operating Humidity		10 to 90%(Non-condensing)
<b>WIFI Performance</b>		
WIFI		IEEE802.11b/g/n(2.4G), IEEE802.11a/n/ac(5G)
Max Rate		300M(2.4G), 867Mbps(5G)
MAX TX Power		17dBm(2.4G/5G)
<b>Mechanics</b>		
Dimensions		170mm(L) x 120mm(W) x 41mm(H)
Weight		About 0.23kg

## Ordering Information

Product Name	Product Description
AP202C-GE-00-C-S-2	AP200C GPON CPE 1xPON(1.25G US, 2.5G DS ), 2xGE, WIFI b/g/n/ac, Single Fiber, SC/PC, EU Power Supply Included

## Contact Information



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