

## 1GE XPON ONU

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### AP201C 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 AP201C Series XPON ONU is a compact and cost-effective fiber broadband access terminal designed for FTTH and FTTx applications. Supporting both GPON and EPON adaptive modes, the device provides flexible deployment compatibility with mainstream OLT platforms including Huawei, ZTE, FiberHome, and ACT OLT systems. With a compact indoor design and Gigabit Ethernet interface, the AP201C Series enables reliable high-speed broadband access for residential and enterprise users.

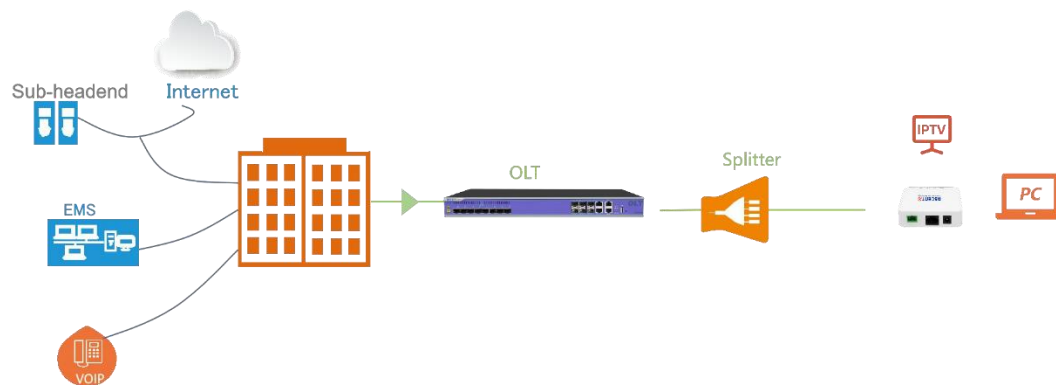
The ONU integrates one XPON optical interface and one 10/100/1000Mbps adaptive Ethernet port, supporting stable broadband services over single-fiber infrastructure. Compliant with IEEE 802.3ah and ITU-T G.984 standards, the AP201C Series supports advanced features including Dynamic Bandwidth Allocation (DBA), VLAN configuration, storm suppression, SNMP-based EMS management, firewall protection, and remote management. These capabilities help operators improve network efficiency, security, and service reliability.

Designed for low power consumption and easy installation, the AP201C Series supports remote software upgrade, ONU auto-discovery, and multiple authentication methods including SN and LOID+Password. Its robust performance, compact size, and interoperability make it an ideal solution for broadband access deployment in modern GPON and EPON 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 VLAN transparent/tag/translate/trunk
- Single-fiber access, provides internet multiple service
- Support broadcasting storm resistance function
- Support Dynamic Bandwidth Allocations(DBA)
- 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



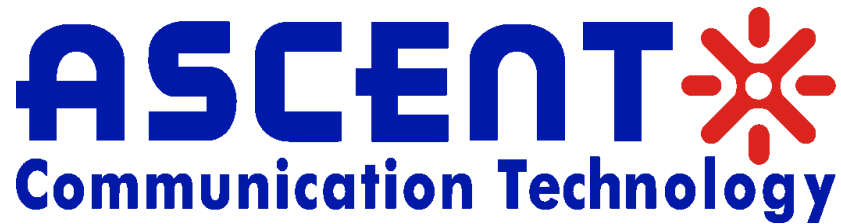
## Specifications

Parameter	Description	
<b>Hardware</b>		
User Port(LAN)		RJ-45 connector 1*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 12V/0.5A DC power supply adapter
Power Consumption		<3W
<b>Environment</b>		
Working Temperature		0°C to 40°C
Operating Humidity		10 to 90%(Non-condensing)
<b>Mechanics</b>		
Dimensions		78mm(L) x 78mm(W) x 23.5mm(H)
Weight		About 62.7g

## Ordering Information

Product Name	Product Description
AP201C-GE-00-0-S-2	AP200C GPON CPE 1xPON(1.25G US, 2.5G DS ), 1xGE, Single Fiber, SC/PC, EU Power Supply Included

## Contact Information



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