

FTTH GPON HGU ONT 4GE

AP204C Series

- **ITU-T G.984 compliant**
- **4 × auto-adapting FE ports**
- **IGMP snooping**
- **Remote management**
- **Web-based GUI**
- **Auto-negotiation and MDI/MDIX**
- **FTTH, FTTO, PON + EOC**
- **Broadband internet, IPTV, IP camera**



AP204C GPON HGU ONT is a GPON optical network unit designed to meet the requirements of broadband access networks. It is ideal for FTTH/FTTO applications to provide data, voice, and video services based on a GPON network.

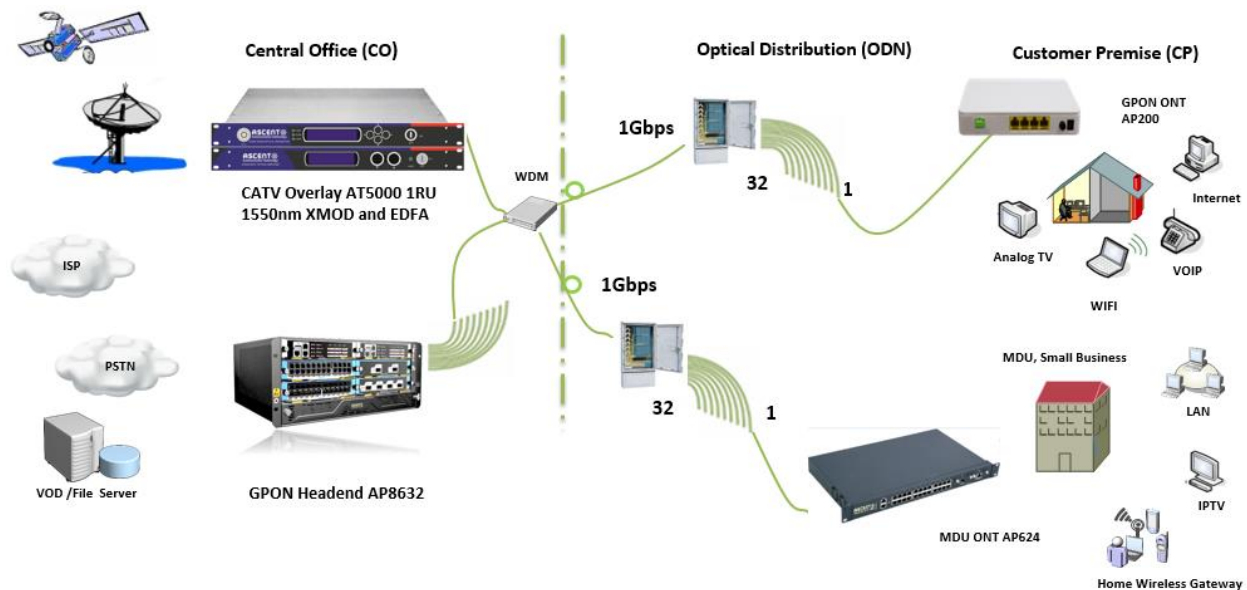
AP200C series ONUs are designed to operate in a shared PON fiber architecture and supports up to 64 homes under one PON OLT port. It includes 4 basic GbE ports with possible options to offer CATV RF, VoIP, or WIFI services. It achieves high bandwidth and high efficiency for data transmission in GPON networks and provides the reliability and performance expected of business services and residential services.

It provides high-quality and robust services to allow operators to quickly expand their existing networks and services. Combined with a standards-based GPON OLT platform, the AP200C series can provide the ultimate end-to-end FTTX solution in offering advanced video, voice, and data services.

Key Features

- Fully compatible with ITU-T G.984
- Supports 4 GE auto-adapting Ethernet ports
- Supports OMCI for remote management
- Supports Web for local management
- Supports auto-negotiation and MDI/MDIX
- Supports the Ethernet interface rate, working mode and flows control
- Supports loopback at UNI
- Supports packet filtering and anti-illegal message attack protection
- Supports performance statistics of Ethernet lines
- Supports VLAN tagged label processing, traffic classification and packet filtering, STP/RSTP etc.
- Supports IGMP Snooping
- Supports AES-128

Application Diagram



Specifications

Parameter	Specification
Interface	
PON Port	1 × GPON port, FSAN G.984.2 standard, class B+ Downstream data rate: 2.488 Gbps Upstream data rate: 1.244 Gbps SC/PC single-mode fiber 28 dB link loss and 30 km distance with 1:128
Ethernet Port (LAN)	4 × 10/100/1000M auto-negotiation RJ45 ports Full duplex / half-duplex RJ45, auto-MDI/MDI-X Transmission distance: 100 m
Power Supply Port	12 V DC input
Management	
Network Management	Standards compliant OMCI interface as defined by ITU-T G.984.4 Supports WEB management
Management Function	Status monitor, configuration management, alarm management, Log management
Environmental Specifications	
Shell	Plastic casing
Power Supply	External 12V 0.5A AC/DC power supply adapter
Power Consumption	<5 W
Dimensions (L × W × H)	170 × 130 × 30 mm 0.3 kg
Environment	Operating Temperature: 0 to 50 °C Storage Temperature: -40 to 85 °C Operating Humidity: 10 to 90% (Non-condensing) Storage Humidity: 5 to 95% (Non-condensing)

Ordering Information

Item	Description
AP204C-GE-00-0-S-2	AP200C GPON CPE 1 × GE (1.25G upstream, 2.5G downstream), 4 × GE, Single-Fiber, SC/PC, Power Supply Included

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