

## 4 GE PoE GPON ONT

### AP600 Series



- **Compliant with ITU-T G.984/G.988**
- **Supports auto-discovery and auto-register**
- **Supports IEEE802.1D RSTP**
- **Supports IGMP snooping V2**
- **Supports EMI and ESD identification**
- **Supports VLAN**
- **Auto time synchronization based on SNTP**
- **Remote management**
- **Power failure alarm**
- **Supports IEEE802.3af and IEEE802.3at 30W PoE**

ACT AP604 GPON ONU is a series of ITU-T GPON compliant high performance GPON PoE ONTs. It offers MSOs and Services Providers with advanced triple play services in Fibre to The Home or Business (FTTH & FTTB) networks.

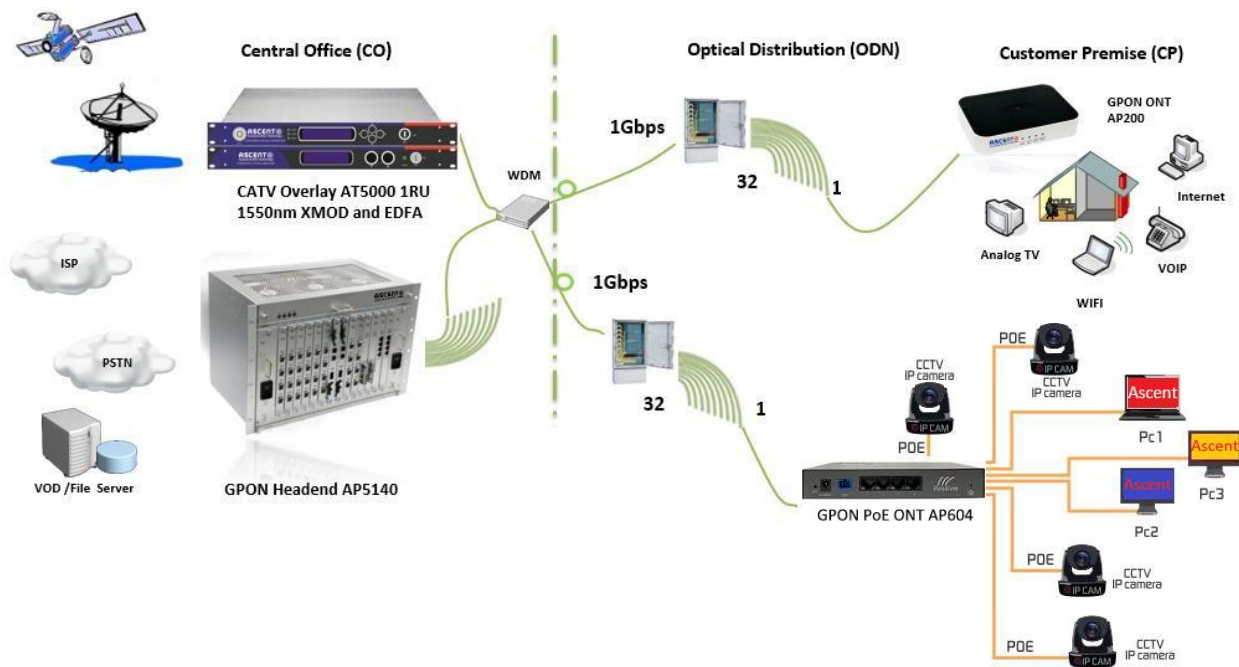
The AP604 series ONUs are designed to operate in a shared PON fiber architecture and provides users with 10/100M/1000bps Gigabit Ethernet access. It supports IEEE802.3af 15.4W and IEEE802.3at 30W POE standards. It can auto discovery the power receiving devices which support IEEE802.3af/at standard. The ONU works with IP camera, IP phone, wireless AP and other network devices, and supply power to those devices. It works with central device OLT to implement integrated management, long-distance fault location and decrease maintenance workload. With its compact design and ease of installation, the AP604 GPON ONT provides a cost-effective way of supporting a full bandwidth connection for consumer-side Ethernet.

The AP604 series is easy to install, activate, and maintain. It supports comprehensive OAM functions for remote management. It is mainly used with security surveillance, smart city, tunnel monitoring, coal mine network applications etc.

## Key Features

- Compliant with ITU-T G.984/G.988
- Supports auto-discovery and auto-register (real-time operation)
- Supports DBA and multiple types SLA
- Supports IEEE802.1D RSTP
- Supports IGMP snooping V2 multi-broadcast function
- Supports EMI and ESD identification
- Supports VLAN
- Supports user end auto time synchronization based on SNTP
- Supports powerful OAM and remote management
- Supports port speed limit, loop detection and port VLAN
- Supports state detection and fault location
- Supports power failure alarm
- Each PoE port supports auto-discovery the standard power receiving devices
- Supports IEEE802.3af 15.4W and IEEE802.3at 30W PoE standards

## Application Diagram



## Specifications

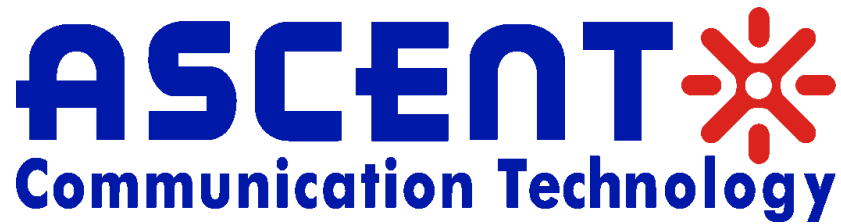
Item	Description
Wavelength	TX: 1310 nm RX: 1490 nm
Optical Power	-1 dBm to +4 dBm
Receiving Sensitivity	-25 dBm
Max Transmission Distance	20 km
Space of Buffer Storage	1.25 MB
MTBF	100, 000 hours
PON Connector	SC/UPC
EPON Trait	Supports IEEE802.3ah Supports Dynamic Bandwidth Allocation (DBA) Supports ONU auto-searching and automatic registration (real-time operation)
Standards and Protocols	Supports IEEE802.3, IEEE802.3u IGMP Snooping V2 Supports IEEE802.1q WLAN Supports IEEE802.1p QOS
POE	Supplying power port: 4 ports Standards: IEEE802.3af 15.4W, IEEE802.3at 30W Working modes: auto-discover and power/dis-power receiving power device
Network Management	Cooperates with center OLT, implements management configurations and software upgrade to ONU
<b>Working Environment</b>	
Power Supply	48 VDC (external)
Power Consumption	4.5 W, Max. POE supplying power: 240 W
Operating Temperature	-20 °C to +70 °C
Storage Temperature	-40 °C to +85 °C
Humidity	5 % to 90 % non-condensing
Dimensions (H×W×D)	28 mm × 170 mm × 98 mm (external)

## Ordering Information

Product Name	Product Description
AP604-GE-GE-P-S-1-AC	4GE GPON ONT, 802.3af PoE 15.4W, black metal casing, SC/UPC with external PS
AP604-GE-GE-P-S-1-AC+	4GE GPON ONT, 802.3at PoE 30W, black metal casing, SC/UPC with external PS

## Contact Information

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