ASCENT
Communication Technology

GPON ONT
1GE
FTTH Solution

AP201H Series

- ITU-T G.984 compliant

- GPON or EPON

- 1× GE port

- Remote Management

- FTTH, FTTB, FTTO

- PON + EOC

- Broadband Internet, VoIP, IPTV, VOD, IP Camera

Ascent's AP201H 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.
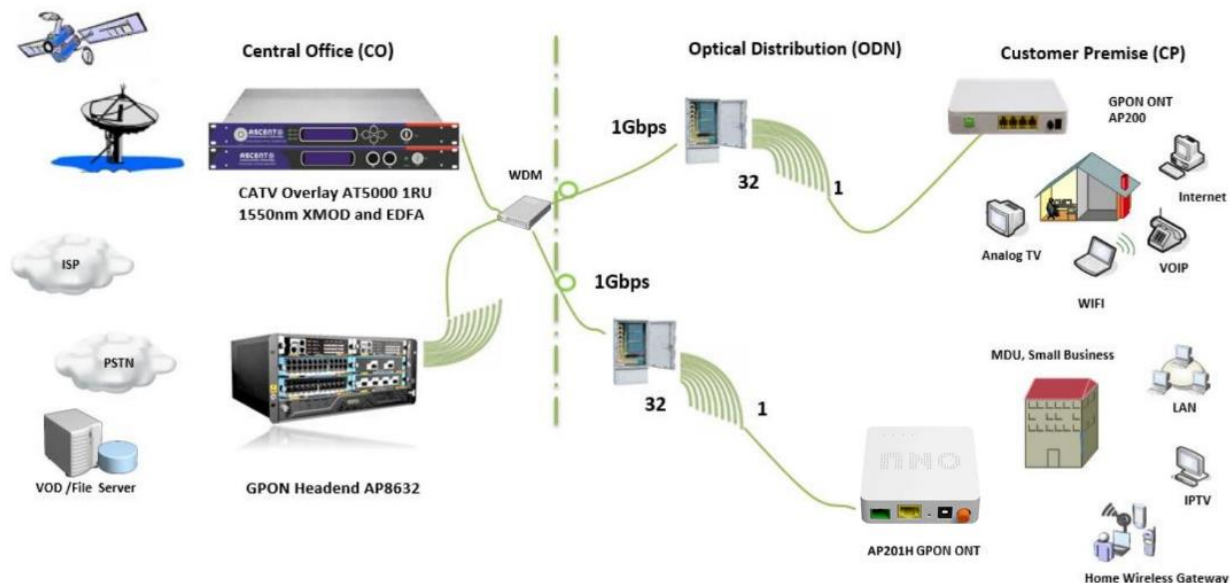
AP201H GPON ONT meets the ITU-T G.984 GPON standard and delivers higher bandwidth and higher efficiency using larger variable-length packets. It provides one GE auto-adapting Ethernet port. It features high-performance forwarding capabilities to ensure excellent experience with VoIP, internet, and HD video services. AP201H provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.

AP201H offers efficient packaging of user traffic, with frame segmentation allowing higher quality of service (QoS) for delay-sensitive voice and video communications traffic. AP201H series GPON ONT provides the reliability and performance expected for business services and are an attractive way to deliver residential services. GPON enables fiber to The Home (FTTH) deployments economically resulting to accelerated growth worldwide. .

Key Features

- Support port - based rate limitation and bandwidth control

- In compliant with IEEE802.3ah & ITU-T G.984 adaptive interface

- Up to 20KM transmission distance

- Support data encryption, group broadcasting, port Vian separation, etc.

- Support Dynamic Bandwidth Allocation (DBA)

- Support ONU auto - discovery/Link detection/remote upgrade of software

- Support port mode of VLAN configuration

- Support power - off alarm function, easy for link problem detection

- Support broadcasting storm resistance function

- Support port loop detection

- Support ACL to configure data packet filter flexibly

- Support PPPoE/DHCP Server/IPTV/NAT

- Specialized design for system breakdown prevention to maintain stable system

- Support software online upgrading

- Support mac/port/url filte

Application Diagram

Specifications

System Parameter	Technical Index
User Interface	1*10/100/l000M RJ45
PON	EPON&GPON mode adaptive Interface Type: SC-UPC/SC-APC Network Coverage Radius: 20KM GPON: Upstream 1.25Gbps /downstream 2.SGbps Optical Receive Sensitivity: ≥ -7 to -28dBm Continuous Light Power: O.5dBm to +5dBm PON: Upstream 1.25Gbps/downstream l.25Gbps Optical Receive Sensitivity: ≥ -7 to -27dBm Continuous Light Power: 0dBm to 4dBm
Ethernet	1*10/100/l000M auto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance
Size	105mm(L)*85mm(W)*25mm(H)
Environment	Operating Temperature: 0°C to 60°C Operating Humidity: 10% to 85%(non-condensing) Storage Temperature: -40°C to 80°C Storage Humidity: 5% to 95%(non-condensing)
Power Supply	12V/0.5A DC Power Interface Size: 2.1mm/5.5mm
Power	<3W
Man	WEB/TELNET/TR069/OAM/OMCI

Ordering Information

Product Name	Product Description
AP201H-GE-00-0-S-2	AP200H GPON CPE 1x GE (1.25G US, 2.5G DS), 1xGE, Single Fiber, SC/PC, Power Supply Included

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