AP314A

XG-PON ONT

AP300 Series

- **High-speed broadband sharing**
- **VoIP and IPTV**
- **Broadband internet access**
- **Audio, video streaming and transmission**
- **PC files are shared with applications**
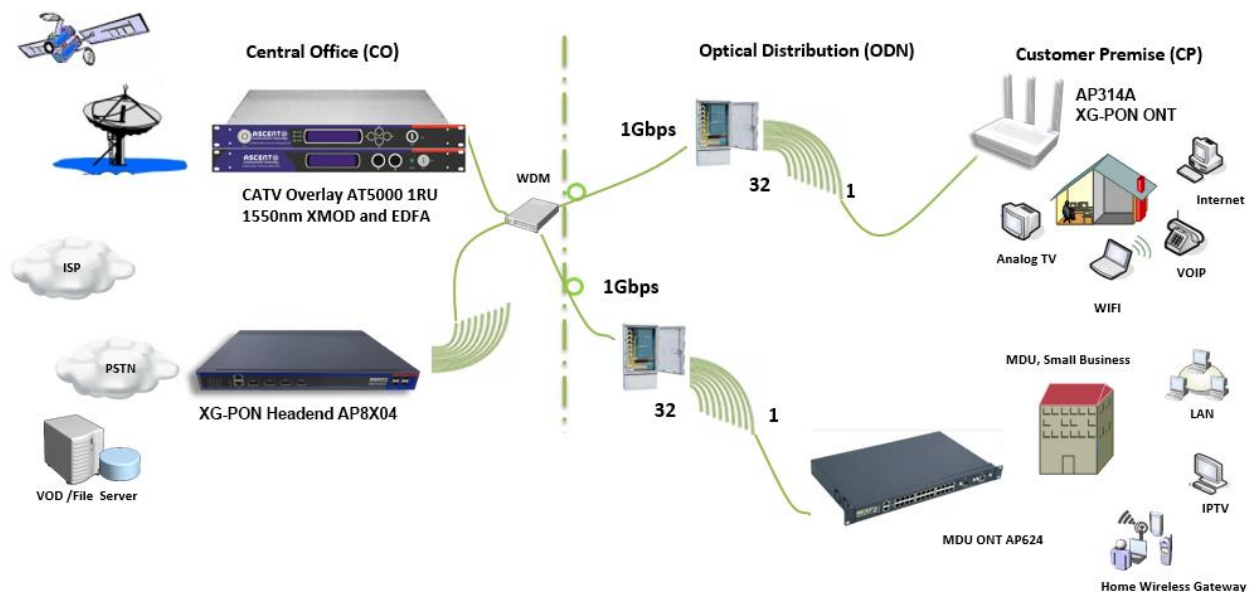- **Suitable for online gaming**

Ascent's AP314A XG-PON ONT is a highly integrated 10G-EPON integrated access device. This device provides high-performance access services for individual users, SOHO (small office or family office), small enterprises, etc.

This access point has intelligent routing features. Compared with ordinary routers, intelligent routers have their own independent operating system like with personal computers. Users can install various applications, control bandwidth, limit the number of people on-line, browse web pages, monitor time on-line, and have a powerful USB sharing function. AP314A can help network operators achieve intelligent management of network their and equipment.

Key Features

- 1 × 1270/1577 nm port

- 1 × USB 3.0

- 1 × USB 2.0

- 4 × 1000M LAN ports

- 1 × voice port

- Supports IPSec VPN

- Supports port trigger function, automatically open specific ports of various games and Applications

- DHCP server

- Compatible with all standard network applications

- Supports Virtual Server, IP Filter, DMZ Host etc.

- Supports 16 × VLAN

- Supports 8 × PPPoE conversation

- Supports RIPv1 & RIPv2, NAT

- Friendly Web GUI

Application Diagram

Specifications

Item	Description
Hardware	
Main Chipset	BCM68560B1KFSBG
Flash	2Gbit
DDR	4Gbit
BOSA	GN28L95
VOIP SLIC	Si32192-A-FM1
2.4G WiFi Chipset	BCM43217KMLG
5G WiFi Chipset	BCM4360KMLG
5G FEM	RRTC5638H
2.4G WiFi Switch	RTC6603SP
Interface	1 × 1270/1577 nm port
	1 × USB 3.0 port
	1 × USB 2.0 port
	4 × 1000M LAN ports
	1 × voice port
Conformity of Certification	Internet access card
	3C certification
	Certificate of Model Approval without Commissioner
Standard Compatibility	XG-PON ONU Function Based on ITU-T G.987.3
	Through the OAM protocol based on the IEEE 802.3ah, the comprehensive network management can be realized.
	FEC Coding Support
	128-bit encryption for upstream and downstream AES links
	Supports CTC technical requirements, including downlink 24-bit triple-scrambling encryption and special rate-limiting modes for multicast/broadcast frames
	RFC2516 PPP Over Ethernet (PPPoE)
	RFC1332 PPP Internet Protocol Control Protocol
	RFC894 A Standard for the Transmission of IP Datagrams over Ethernet Networks
	RFC1042 A Standard for the Transmission of IP Datagrams over IEEE 802 Networks
	IEEE802.3
	IEEE802.3u
Physical Characteristics	
Dimensions (W×D×H)	220 mm × 110 mm × 41 mm
Operating Temperature	0 °C to +45 °C
Storage Temperature	-40 °C to +70 °C
Operating Humidity	10 % to 95 % (non-condensing)
Storage Humidity	5 % to 95 % (non-condensing)

Ordering Information

Product Name	Product Description
AP314A-XG-00-AC-S-3	AP300 XG-PON CPE 1 × XG-PON port (1270/1577 nm), 4 × GE, 1 × VoIP, b/g/n/ac WiFi, single-fiber, PS included

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