



# AR-P600

AC1750 Wireless Dual Band  
Gigabit & VoIP VDSL GPON Router

**AIRPHO**<sup>®</sup>  
Always Connected

## Features

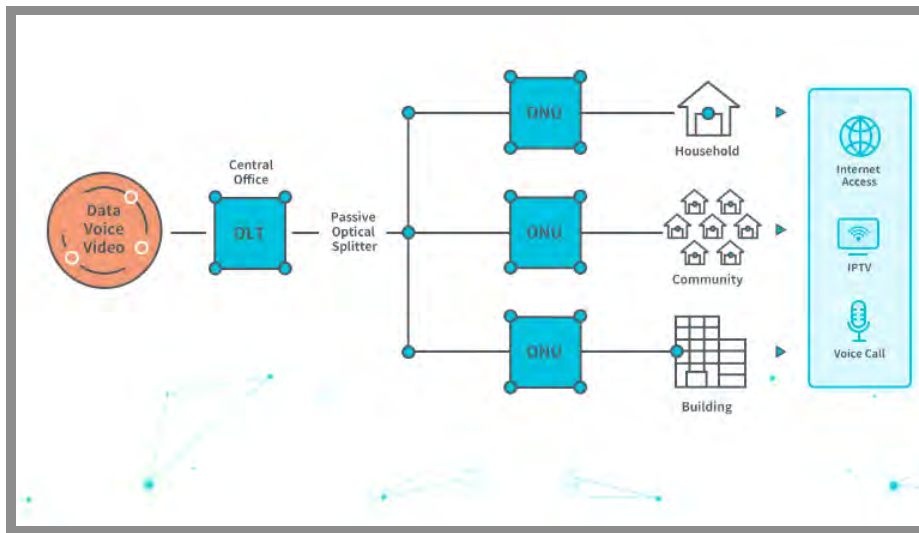
- Supports 802.11ac, Compatible with 802.11 b/g/n/ac products.
- Dual band - for combined wireless speeds of up to 1750bps at 2.4GHz and 5GHz band concurrently.
- Support downstream 2.5Gbps and upstream to 1.25Gbps with transmission distance to 20Km.
- Fiber access and gigabit port provide incredibly fast transfer speeds.
- Supports OMCI (ONT Management Control Interface) remote management.
- TDM inner transmission, support Native TDM type and CES over GEM.
- Pass through T-CONT-GEM port to be in progress and multiple-access BDA and QoS manage.
- Easy Setup Assistant provides quick & hassle free installation.



## Description

4-Port Gigabit GPON Terminal adopt newest chip generation solution, small volume with product. It's an incredibly robust device allowing users to access high-speed internet connect GPON port and share it with a Gigabit Ethernet port. With upstream 1.25Gbps and downstream to 2.5Gbps and transmission distance up to 20Km, the AR-P600 provides high-performance forwarding capabilities to ensure smooth VoIP. With the speed of up to 1750Mbps, it can provide users with extraordinary smooth internet surfing, internet phone calling, and on-line gaming.

Moreover, by adopting external Omni-directional anternet surfing, AR-P600 could greatly increases the wireless range & sensitivity, which enables you to receive wireless signals in the farthest corner of your home or office. And you can quickly setup the security au a simple push of the WPS (WiFi Protected Setup) button on the fashionable designed router, preventing your device from potential internet attacks. And it provides cost-effective VoIP services with 2FXS Port.



## Access to Fiber Optical Network

Support downstream 2.5Gbps and upstream to 1.25Gbps with transmission distance up to 20km.

Higher bandwidth support makes it possible to integrate and provide more additional services with the same device.

## A GPON Device with the Wireless Function

As a GPON device, the AR-P200 also supports the function of a dual band wireless router. It provides combined wireless speed of up to 1200Mbps at 2.4GHz and 5GHz bands concurrently.

2.4GHz: Up to 450Mbps

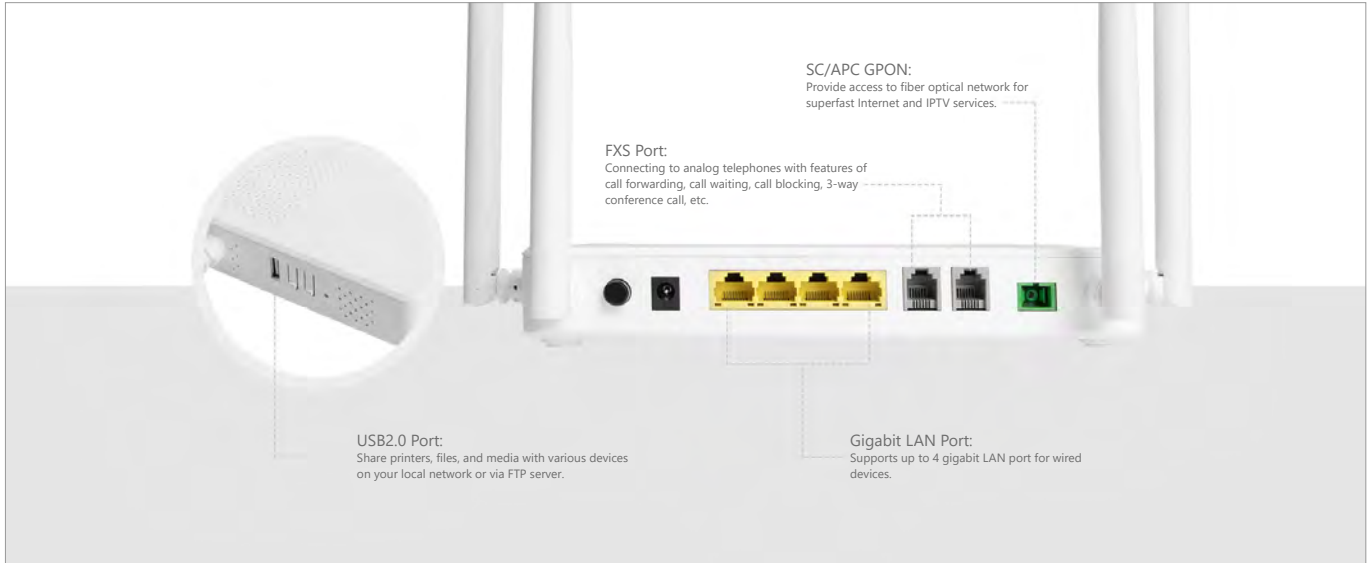


5GHz: Up to 1200Mbps



## Three Advantages:

- “Two” combined into “One”
- Reduce costs on devices.
- Easier management using one backstage page.



## Configuration Management

Operator can define and support the basic configuration, such as equipment control, interface and port configuration, system reboot, and transmission profile management, of the GPON Terminal remotely.

## Performance Management

Allows Operator to monitor the data traffic and history of different services

## Fault Management

Allows Operator to collect alarm information (equipment, software and interface failures) from the GPON Terminal in real time for monitoring and resolution purposes.

## Security Management

Allows mutual authentication of OLT and ONU and subsequent secure communication of encryption keys to enhance data security.





## Using QoS Feature to Set Priorities for Network Tasks Quality of Service

Allows users to set priorities for different network tasks to ensure performance of the most essential service. This helps household maximize their user experience of the subscribed service.



## Specifications

General																	
GPON Standards	ITU-T G.984																
Distance	20Km Max																
Data Rates	Upstream:1.25Gbps, Downstream:2.5Gbps																
Wireless Standards	IEEE802.11a/n/ac,5GHz IEEE802.11b/g/n,2.4GHz																
Signal Rate	5GHz:Up to 1200Mbps 2.4GHz:Up to 450Mbps																
Operation Frequency	2.4GHz and 5GHz																
Reception Sensitivity	<table border="0"> <tr> <td>5GHz:</td> <td>2.4 GHz:</td> </tr> <tr> <td>11a 6Mbps : -96dBm,</td> <td>11g 54M: -77dBm</td> </tr> <tr> <td>11a 54Mbps: -79dBm</td> <td>11n HT20: -74dBm,</td> </tr> <tr> <td>11ac HT20: -71dBm,</td> <td>11n HT40: -72dBm</td> </tr> <tr> <td>11ac HT40: -66dBm,</td> <td></td> </tr> <tr> <td>11ac HT80: -63dBm,</td> <td></td> </tr> <tr> <td>11n HT20: -72dBm,</td> <td></td> </tr> <tr> <td>11n HT40: -71dBm</td> <td></td> </tr> </table>	5GHz:	2.4 GHz:	11a 6Mbps : -96dBm,	11g 54M: -77dBm	11a 54Mbps: -79dBm	11n HT20: -74dBm,	11ac HT20: -71dBm,	11n HT40: -72dBm	11ac HT40: -66dBm,		11ac HT80: -63dBm,		11n HT20: -72dBm,		11n HT40: -71dBm	
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Wireless Security	WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption																
VOIP Standards	SIP (RFC3261), ITU-T G.729/G.722/G.711a/G.711																
Hardware Features																	
Interface	1 x SC/APC GPON Port, 4 x 10/100/1000Mbps LAN Port, 2 x FXS Port																
Buttons	Power ON/OFF Button, WPS/WiFi Button, Reset Button																
Power Supply	DC 12V 1.5A																
Antenna	4 x 2.4GHz 5dBi fixed external antennas																
Dimensions (W X D X H)	210 x 150x 32mm																

Software Features	
WAN Type	Dynamic IP/Static IP/PPPoE
DHCP	Server, Client, DHCP Client List, Address Reservation
Quality of Service	WMM, Bandwidth Control
Port Forwarding	Virtual Server, Port Triggering, UPnP, DMZ
VLAN	802.1Q tag VLAN, VLAN transparent mode/VLAN translation, mode/VLAN trunk mode
Access Control	Parental Control, Local Management Control, Host List, Access Schedule, Rule Management
Firewall Security	DoS, SPI Firewall IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding
VOIP Features	Two RJ-11 FXS ports for connecting to analog telephones Call forwarding, Call waiting, Call block, 3-way conference call, etc.
Management	Access Control, Local Management, Remote Management
Internet Protocol	IPv4, IPv6
Environment	
Operating Temperature	0°C~40°C (32°F~104°F)
Storage Temperature	-40°C~70°C (-40°F~158°F)
Relative Humidity	10%~90%, non-condensing
Storage Humidity	5%~95%, non-condensing
Certifications	CE, RoHS
Package Contents	
Package Contents	1 x GPON Router 1 x Power Adapter
	1 x Quick Installation Guide 1 x Ethernet Cable