



IP-HG12

AC1200 Dualband Wi-Fi xPON ONT



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Product Description

IP-COM's AC1200 Wireless xPON ONT IP-HG12 is a Passive Optical Network terminal which compatible with EPON and GPON, ideal for Fiber To The Home solution. It's an all-in-one device allowing user to access high-speed internet, IPTV connection via EPON&GPON port and share it wirelessly at 1200Mbps wireless 802.11ac speeds. IP-HG12 provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.

Hardware Features	
GPON Standards	ITU G.984.1, ITU G.984.2, ITU G.984.3, ITU G.984.4
EPON Standards	IEEE802.3ah
IEEE Standards	IEEE 802, 802.1Q, 802.10, IEEE 802.11, 802.3U, 802.3Z
Interface	1*SC/APC or SC/UPC (optional) Port, 4*1000Mbps RJ45 LAN Ports, 1*Power Port
LED	PWR, PON, LOS, LAN, WLAN
Button	1*WPS/RST Button
Optical Mode	Class B+
Optical Wavelength	Transmit at 1310nm, Receive at 1490nm
Transmission Distance	20km Max
Bandwidth	EPON: Upstream 1.25Gbps Max, Downstream 1.25Gbps Max GPON: Upstream 1.25Gbps Max, Downstream 2.5Gbps Max
Dimensions (L×W×H)	220.8×141.9×31mm
TX Power	0.5~5dBm
RX Power	-28~-8dBm
External Power Supply	DC 12V /1A
Power Consumption	≤12w
Certification	CE, Anatel, RoHS
Software Features	
WAN Connection	PPPOE, Dynamic IP, Static IP, Bridge, Support Multiple WAN Connection
DHCP	Server, Client, DHCP Client List, Address Reservation, DHCP Relay
Business Type	TR069, Internet, IPTV
IP Version	IPv4, IPv6
Services	DHCP, Dynamic DNS , IGMP Proxy UPnP
VPN Pass-through	PPTP, L2TP, IPsec Pass-through
Firewall	ALG, IP Filter ,Port Filter, Mac Filter, URL Filter Port Forwarding, DMZ
IPv6	Radvd, Dhcpv6, MLD Proxy, MLD Snooping
Diagnostics	Ping, Ping6, Tracert, Tracert6
TR069	ACS, Connection request

Wireless Features	
Wireless Standards	IEEE 802.11 a/b/g/n/ac
Frequency	2.4GHz & 5GHz
Bandwidth	2.4G :20M/40M, 5G: 20M/40M/80M
Channel Range	2.4G : CH1-CH13 ; 5 G : CH36-CH64, CH100-CH140, CH149-CH165
Antenna	4 * 6 dBi Antenna
Speed	11n 300M + 11ac 867M
Transmit Power	2.4G: <20 dBm(EIRP); 5G: <23dBm(EIRP)
Wireless Functions	Enable/Disable Wireless Radio, WDS Bridge, WMM, Wireless Statistics
Wireless Security	64/128-bit WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK Encryption, Wireless MAC Filtering
SSIDs	Main SSID at 2.4Ghz and 5GHz 4 Guest SSIDs Both At 2.4GHz and 5GHz
Max Terminal Linked	32 at both 2.4GHz and 5GHz
Environment	
Operating Temperature	0° c ~ 45° c
Storage Temperature	-40° c ~ 70° c
Operating Humidity	10% ~ 90% (Non-condensing)
Storage Humidity	5% ~ 90% (Non-condensing)