

# AC1200 XPON ONU

## X122



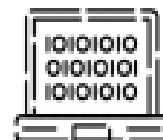
- Support device -based ratelimitationandbandwidthcontrol;
- Support software onlineupgrading;
- Wi -Fi series meet 802.11a/b/g/n/ac technical standards;
- Support TR069 for ACS(Auto Config Server);
- Support data encryption, group broadcasting, port Vlanseparation,etc;
- SupportPPPoE/DHCP Server/IPTV/POTS/NAT.
- Support ACL to configure datapacket filter flexibly;
- Specialized design for system breakdown prevention to maintain stable system;

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# Technical Specifications

Module	Parameters
User Interfaces	4 10/100/1000M RJ45 port 1 POTS 1*USB 2.4G Wi-Fi 5G Wi-Fi
PON	EPON&GPON mode adaptive Interface Type: SC-UPC/SC-APC Security: ONU authentication mechanism Network Coverage Radius: 20KM GPON: upstream 1.25Gbps/downstream 2.5Gbps Optical Receive Sensivity: $\geq -7\text{dBm} \sim -28\text{dBm}$ Continuous Light Power: 0.5dBm~5dBm EPON: upstream 1.25Gbps/downstream 1.25Gbps Optical Receive Sensivity: $-7\text{dBm} \sim -27\text{dBm}$ Continuous Light Power: 0dBm~4dBm
Ethernet	4 10/100/1000M auto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100M Distance
Size	210mm(L) $\times$ 110mm(W) $\times$ 38mm(H)
Environment	Operating Temperature: $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$ Operating Humidity: 10%~85%(non-condensing) Storage Temperature: $-40^{\circ}\text{C} \sim 80^{\circ}\text{C}$ Storage Humidity: 5%~95%(non-condensing)
Power Supply	12V/1.5A DC Power Interface Size: 2.1mm/5.5mm
Power Consumption	<12W
POTS Port	1*RJ11 Max 1KM Distance Balanced Ring, 55V RMS
Man	WEB/TELNET/TR069/OMCI/OAM



## Optical Fiber Technology

Lower transmission losses and longer transmission distances

## Voice Service Functions

With the heartbeat function, support the main producing soft exchange platform;

Support high / low speed mode transparent transmission, T38 two fax

Support high-speed Modem (56Kbps) dial access; support RFC2833 and redundant RFC2833, ringing, MDS certification, call forwarding, call waiting, the hotline, alarm clock, abbreviated dialing and other value-added services

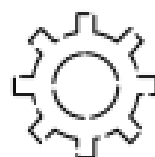
Support SIP (compatible with IMS), H.248, MGCP three VoIP protocol, and the soft switch platform the mainstream can be good intercommunication  
Support POTS port GR909 line test function

Support dynamic PPPoE, DHCP and static IP

Support ITU-T G.711, G.723.1, G.729 and other three kinds of compression algorithm; echo cancellation conforming to ITU-T G.168-2002, an echo canceller for the longest 128ms

7 \* 24 hour call loss is less than or equal to 0.01% Support 1 POTS interface and

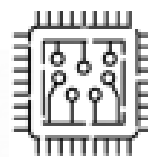
the three party call, three party support local mixing.



## Better User Experience

Meeting different application scenarios and carrier requirements

Indicators	Status	Description
POWER	Light On	The ONU is power on
	Light Off	The ONU is power off
PON	Light On	Success to register to OLT
	Blink	In the process of registering to OLT
	Light Off	Fail to register to OLT
LOS	Light On	Optical link is abnormal
	Light Off	Optical link is normal
LAN	Light On	Ethernet connection is normal
	Blink	Data is being transmitted
	Light Off	Ethernet connection is not set up
2.4G Wi-Fi	Light On	Wi-Fi function opens
	Blink	Data is being transmitted
	Light Off	Wi-Fi function closes
5G Wi-Fi	Light On	Wi-Fi function opens
	Blink	Data is being transmitted
	Light Off	Wi-Fi function closes
NET	Light On	ONU can access internet
	Light Off	ONU can not access internet
POTS	Light On	Voice account Registered
	Light Off	Voice account not Registered
USB	Light On	USB connection is normal
	Light Off	VoIP account is not used.



## Energy Saving

Reducing the energy consumption through efficient energyuse



## Applicable to Multiple Scenarios

Provide communication and entertainment services neededbyusers