

TOTO LINK

The Smartest Network Device



Model No. G1200SE

4*GE+1*POTS 4 Ports WiFi 5 AC1200Mbps XPON ONU

Designed by **KOREA**

Product Overview

TOTOLINK G1200SE is an intelligent routing passive optical network terminal in FTTH solution. G1200SE provides 4 GE LAN port, 1 POTS and 1200Mbps WiFi, high access speed up to 2.5Gbps downstream and 1.25Gbps upstream. It is widely compatible with the global mainstream OLT brand, supports plug-and-play, OMCI and TR069 remote maintenance features.

Key Features

- Support device - based rate limitation and bandwidth control
- In compliant with IEEE802.3ah & ITU-T G.984 standard
- Up to 20KM transmission Distance
- Support data encryption, group broadcasting, port VLAN separation ,etc.
- Support Dynamic Bandwidth Allocation (DBA)
- Support ONU auto - discovery/Link detection/remote upgrade of software;
- Support port VLAN configuration
- Support power off alarm function ,easy for link problem detection
- Support QOS configuration
- Support port binding
- Support port forwarding
- Support ACL to configure data packet filter flexibly
- Specialized design for system break down prevention to maintain stable system
- Support software online upgrading
- Support TR069 for ACS(Auto Config Server)
- Support PPPoE/DHCP Server/IPTV/POTS/NAT
- Support multi-SSID (Maximum 4 SSID)
- Support automatic channel selection
- Support hide SSID
- Support wireless security of 64/128 bit WEP, 802.1x, WPA and WPA2
- Support IPv4/IPv6



Technical Parameter

SOC	RTL9607CVA/RTL9607CVB
WiFi chips	RTL8192FR+RTL8812FR
Flash size	128/256MB
Memory size	128/256MB
User Interface	4*GE RJ45
	1*POTS
PON	2.4GHz: 300Mbps, 5.8GHz: 867Mbps
	EPON&GPON mode adaptive
	Interface Type:SC-UPC/SC-APC
	Transmission distance: 20KM
	GPON: upstream 1.25Gbps /downstream 2.5Gbps
	Transmitting optical power: 0~4dBm
	Optical receive sensitivity:-7dBm~-28dBm
Ethernet	EPON: upstream 1.25Gbps /downstream 1.25Gbps
	Transmitting optical power: 0~4dBm
	Optical receiver sensitivity: -7dBm~-27dBm
	4*10/100/1000M auto-negotiation
	Full/half duplex mode
POTS Port	RJ45 connector
	Auto MDI/MDI-X
	100m distance
	1*RJ11 connector
Size	Max 1km distance
	Balanced Ring, 55V RMS
Environment	160mm(L) X112mm(W) X30mm(H)
	Operating temperature:0°C~50°C
	Operating humidity:0% ~85% (non-condensing)
	Storage temperature:-40°C~80°C
Power Supply	Storage humidity:5%~95% (non-condensing)
	12V/1.5A DC
Power Consumption	power interface size:2.1mm/5.5mm
	< 10W



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 1 POTS interface and the three party call, three party support local mixing
- Support POTS port GR909 line test function
- Support dynamic PPPoE, DHCP and static IP
- 7 * 24 hour call loss is less than or equal to 0.01%
- Support SIP (compatible with IMS), MGCP three VoIP protocol, and the soft switch platform the mainstream can be good intercommunication
- 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 128m
- Support high-speed Modem (56Kbps) dial access; support RFC2833 and redundant RFC2833, ringing, MD5 certification, call forwarding, call waiting, the hotline, alarm clock, abbreviated dialing and other value-added services

Product Interfaces and Indicators

Items	TOTOLINK-G1200SE	
PWR	Power status	On: The ONU is power on Off: The ONU is Power off
PON	ONU Register	On: Success to register to OLT Blinking: In process of registering to OLT Off: Fail to register to OLT
LOS	Optical Signals	On: Optical link is abnormal Off: Optical in normal
NET	Internet status	On: ONU can access internet Off: ONU can not access internet
GE	GE Port status	On: Ethernet connection is normal Blinking: Data is being transmitted Off: Ethernet connection is not set up
2.4G	2.4G WiFi Status	On: WIFI function opens Blinking: Data is being transmitted Off: WIFI functions closes
5G	5G WiFi Status	On: WIFI function opens Blinking: Data is being transmitted Off: WIFI functions closes
VOIP	POTS status	On: POTS port Registered Off: POTS port not Registered



Ordering Information

Product Model	Descriptions
G1200SE	4*10/100/1000M Ethernet interface(RJ45) 1*POTS 2.4GHz: 300Mbps, 5.8GHz: 867Mbps 1 EPON & GPON adaptive interface



