

## PURE DATA TYPE DUAL-MODE ONU – ZP622-GW

ZP622-GW dual-mode ONU is one of the EPON/GPON optical network unit design to meet the requirement of the broadband access network. It supports GPON and EPON two modes adaptive, can quickly and effectively distinguish between GPON and EPON system, so normal operation under the current system. It apply in FTTH/FTTO to provide the data service based on the EPON/GPON network.



# MAIN FEATURES

ZP622-GW supports GPON and EPON two modes adaptive, can quickly and effectively distinguish between GPON and EPON system, so normal operation under the current system.

## 1

Support ONU auto-discovery/Link detection/remote upgrade of software

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## 2

Wi-Fi series meet 11 n/b/g technical standards

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## 3

Support VLAN transparent, tag configuration

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## 4

Support multicast function

## SPECIFICATION

Item		Parameter
Interface	PON Interface	GPON/EPON mode adaptive1*GPON port, FSAN G.984.2 standard, support for backward compatibility with EPON  SC/PC single mode fiber
	Ethernet Interface	1*10/100/1000M auto-negotiationFull/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance
	Power Interface	12V DC Power supply
Performance Parameters	PONOptical Parameter	Wavelength: Tx 1310nm, Rx1490nm Tx Optical Power: 0.5~5dBm Rx Sensitivity: -28dBm Saturation Optical Power: -8dBm
	Data Transmission Parameter	PON Throughput: Downstream 2.488Gbit/s s; Upstream 1.244Gbit/s Ethernet: 1000Mbps Packet Loss Ratio: <1*10E-12 latency: <1.5ms
Network Management	Management Mode	When adaptive to GPON mode, support standard compliant OMCI interface as defined by ITU-T G.984.4, TR069 remote management and WEB management
		When adaptive to EPON mode, Support IEEE802.3 QAM, ONU can be remotely

	Function	management
Physical Features	Shell	White plastic casing
	Power	<4W, 12V/0.5A power supply adapter
	Physical Specifications	Item Dimension: 125mm(L) x80mm(W) x 25mm (H)Item weight: 0.2kg
	Environmental Specifications	Operating temperature: 0 to 50°C Storage temperature: -40 to 85°C Operating humidity: 10% to 90%(Non-condensing) Storage humidity: 10% to 90%(Non-condensing)

## WIFI SPECIFICATION

Item		Parameter
Performance parameters	Operating Mode	Router or bridge
	Technical standard	IEEE802.11b/g/n
	Frequency	2.412 ~ 2.472 GHz
	Antenna gain	5dBi
	Support rate	802.11b: 1, 2, 5.5, 11Mbps802.11g: 6, 9, 12, 24, 36Mbps 802.11n: max rate 300Mbps
	Channel	2.4GHz Channel: 1,2,3,4,5,6,7,8,9,10,11,12,13
	Modulation mode	11b: DSSS: DBPSK(1Mbps),DQPSK(2Mbps),CC/4(4Mbps), 8PSK(6Mbps), 16QAM(12Mbps), 64QAM(24Mbps), 256QAM(48Mbps) G: DSSS: DBPSK(1Mbps),DQPSK(2Mbps),CC/4(4Mbps), 8PSK(6Mbps), 16QAM(12Mbps), 64QAM(24Mbps), 256QAM(48Mbps) N: BPSK(1Mbps), DQPSK(2Mbps), CC/4(4Mbps), 8PSK(6Mbps), 16QAM(12Mbps), 64QAM(24Mbps), 256QAM(48Mbps)

	Receive sensitivity	HT20 MCS7:≤-73dBm HT40 MCS7:≤-70dBm
	Transmit power	802.11n: 17dBm
	Encryption mode	AES, TKIP, WPA, WPA2, WPA-PSK/WPA2-PSK

#### Product Overview

ZP622-GW dual-mode ONT is one of the EPON/GPON optical network unit design to meet the requirement of the broadband access network. It supports GPON and EPON two modes adaptive, can quickly and effectively distinguish between GPON and EPON system, so normal operation under the current system. It apply in FTTH/FTTO to provide the data service based on the EPON/GPON network.

ZP622-GW have a high reliability and provide quality of service guarantee, easy management, flexible expansion and networking. It's fully meet the ITU-T technical standards and have good compatibility with third party manufacturers OLT.

ZP622-GW can integration wireless function with meet 802.11 n/b/g technical standards, It has built-in high gain directional antenna, the wireless transmission rate up to 300Mbps. It has the characteristics of strong penetrating power and wide coverage. It can provide users with more efficient data transmission security.

## FUNCTIONAL FEATURE

### Adaptive GPON mode:

- In compliant with ITU – T G. 984 Standard

- Support multicast function
- Support DHCP/Static/PPPOE internet mode
- Support port-binding
- Support OMCI+TR069 remote management
- Support data encryption and decryption function
- Support Dynamic Bandwidth Allocation (DBA)
- Support MAC filter and URL access control
- Support power-off alarm function ,easy for link problem detection
- Specialized design for system breakdown prevention to maintain stable system
- EMS network management based on SNMP ,convenient for maintenance

#### Adaptive EPON mode:

- In compliant with IEEE802.3ah Standard
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Wi-Fi series meet 11 n/b/gtechnical standards
- Support VLAN transparent, tag configuration
- Support multicast function
- Support DHCP/Static/PPPOE internet mode
- Support port-binding
- Support OAM+TR069 remote management
- Support data encryption and decryption function
- Support Dynamic Bandwidth Allocation (DBA)
- Support MAC filter and URL access control
- Support power-off alarm function ,easy for link problem detection