ZP9111B

1GE+VOIP XPON ONU Product Specification

Product Overview

ZP9111B model ONU is a user terminal device independently developed in line with such industrial background. The device has built-in two-layer switching function and three-layer routing function. With compact structure and small appearance, it is a kind of FTTH optical network unit with high performance and low power consumption, wh -ich is very suitable for the application requirements of various data services in FTTH networking scenarios of various operators.ZP9111B is an XPON product that can be adapted to EPON and GPON networks without replacing equip-ment and firmware.

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Product Specifications

Hardware Specifications

Size	90*90*24mm
Optical signal access	1*GPON/EPON
User interface	1GE+VOIP
Indicator light	POWER/PON/LOS/LAN1/ TEL
Button	Reset Button
Weight	95g
Power adapter input	100V ~ 240V AC , 50Hz ~ 60Hz
PowerSupply requirement	12V DC , 1A
Power consumption	<10w
Working temperature	-10°C ~ +45°C
Environment humidity	5% ~ 95% (Non-condensing)

PON Interface

Module type	Class B+ SC /UPC or SC/APC
Working wavelength	up 1310nm , down 1490nm
TX Optical power value	0.5 ~ 4dbm
RX Optical power sensitivity	-28dBm
Transmission distance	0 ~ 20km
Transmission rate	GPON:Up 1.244Gbps ;down 2.488Gbps EPON:Up 1.244Gbps ;down 1.244Gbps

POTS Interface

Interface type	1* RJ11
Voice agreement	SIP
Codecs	G.711/G.723/G.726/G.729
Integrated circuit protocol	Gr-909 protocol is applicable

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Ethernet Interface

Interface type	1*RJ45
Interface parameters	1x 10/100/1000Mbps

Features

- Support EPON/GPON mode and switch mode automatically
- GPON:Compliance with IEEE 802.3ah & itu-t g.984.x standard
- GPON:8 T-CONTs,32 GEM Ports
- Integrate OMCI(GPON)/OAM(EPON) and TR-069 remote configuration and maintenance
- Layer 3 Home Gateway/CPE features with Hardware NAT, support Multiple WAN, Route/Bridge mode
- Layer 2 Switching, support 802.1Q VLAN, 802.1P QOS, Bandwidth Control, Spanning Tree, etc
- Support PPPoE/ Static IP/ DHCP
- Support IPv4, IPv6 and IPv4/IPv6
- Support firewall level Settings, support based on URL/MAC/ IP/ address frame filtering
- Support multicast IGMP v2 proxy/ snooping, support MLD proxy/ snooping
- Qos supports PQ, WRR, and CAR queue scheduling
- Support DDSN, ALG, DMZ and UPNP
- Provide POTS interface, support SIP protocol, POTS integrated circuit test complies GR-909

Highlights

- Compatible with 95% Third-party OLTs (Including Huawei/ZTE/Fiberhome/BT-PON and so on)
- Spport EPON/GPON mode and switch mode automatically
- Support Route PPPoE/DHCP/Static IP and Bridge mode
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support IPv4/IPv6 dual mode
- Support Firewall function and IGMP multicast feature
- Support LAN IP and DHCP Server configuration
- Support Port Forwarding and Loop-Detect

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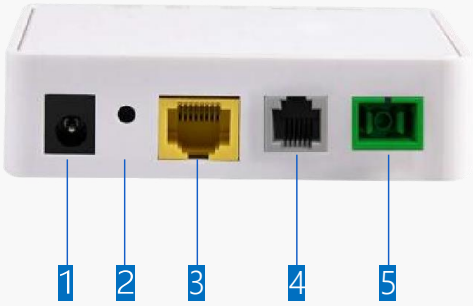
Interface

Compatible with OLT Huawei/ZTE/Fiberhome

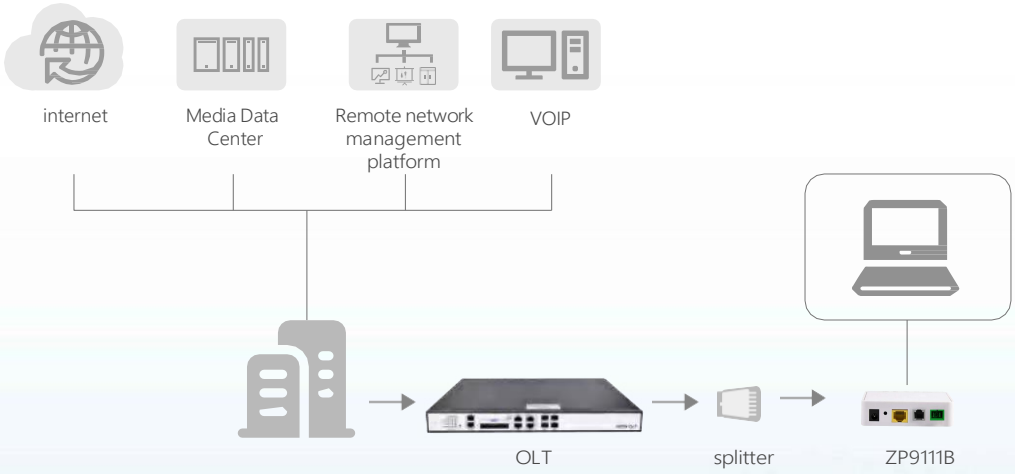


1 DC
2 RESET
3 LAN
4 TEL
5 PON

Networking application

Typical access scheme: FTTH

Typical services: broadband Internet access



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