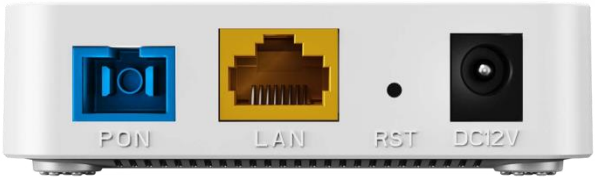

ZP9101-B

1GE XPON ONU Product Specification

Product Overview

ZP-9101B model ONU is a user terminal device independently developed by ZP Cable in line with such industrial back- ground. The device has built-in two-layer switching function. It is compact and compact, and is an FTTH optical network unit with high performance and low power consumption. ZP-9101B ONU can automatically switch EPON/G- PON working mode and can be used in EPON/GPON network, which is very suitable for the application requirements of various data services in FTTH networking scenarios of various operators.

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Product Specifications

Hardware Specifications	
Size	78*76*23mm
Optical signal access	EPON/GPON
User interface	1GE
Indicator light	POWER/PON/LOS/LAN
Button	Power switch Button, Reset Button
Weight	95g
Power adapter input	100V～240V AC,50Hz～60Hz
PowerSupply requirement	12V DC, 0.5A
Power consumption	<6w
Working temperature	-10° C ~ +45° C
Environment humidity	5% ~ 95% (Non-condensing)
PON Interface	
Module type	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
Ethernet Interface	
Interface type	RJ45
Interface parameters	1 x 10/100/1000Mbps auto adaptive Ethernet interfaces

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Features

- GPON working mode Compliance with IEEE 802.3ah & itu-t g.984.x standard
- GPON:8 T-CONTs,32 GEM Ports
- EPON working mode compliant with IEEE 802.3ah specification and OAM protocol
- Supports the WEB configuration function
- Layer 2 Switching, support 802.1Q VLAN, 802.1P QOS, Bandwidth Control, Spanning Tree, etc
- Layer 3 Home Gateway/CPE features with Hardware NAT, supports Route mode, etc
- Supports the configuration of Ethernet interface rates, working modes,MDI/ MDIX auto-negotiation mode, and Pause flow control
- Provides performance statistics on all Ethernet lines
- Support multicast IGMP snooping
- Supports the L2 wire speed forwarding
- Supports the AES-128 algorithm for data encryption of downlink data

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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