

ZISA OP1608

Layer3 8 PON Ports GPON OLT



Product Overview

The OP1608 is a pizza-box GPON OLT with 8 PON ports that meets flexible and fast FTTx access, suiting the scenarios such as sparse/ remote/cost-sensitive area, smart industrial park, commercial building and FTTM, etc.

Highlights

● Compact design, meets various application scenarios

Supports the deployment in diverse scenarios including low density areas, remote areas, sparsely-populated areas and industry parks.

Supports FTTM and sharing site/rack with wireless base stations.

● Small size and lightweight, easier to delivery and install

Small size and lightweight, easy to transport and install.

Supports multiple installation modes, like limited room space, basement, low-voltage room and small rack or cabinet.

● Carrier-class security protection, support dynamic routing protocol RIP&OSPF, ensure the safe operation of network

Supports uplink redundancy protection including LACP STP, RSTP and MSTP, and support RIP&OSPF protocol. Supports link protection.

● Lower TCO

Dramatically saves on investment fees in trunk fibers, pipe engineering, and facilities. Effectively reduce CapEx and OpEx.

Technical Specifications

Item		OP1608
Chassis	Rack	1U 19Inch Standard Box
Uplink Port	QTY	8
	RJ45(GE)	4
	SFP(GE)	2
	SFP+(10GE)	2
GPON Port	QTY	8
	Physical Interface	SFP Slots

	Max splitting ratio	1:128
Management Ports		1*10/100/1000BASE-T out-band port, 1*CONSOLE port, 1*USB2.0
Backplane Bandwidth (Gbps)		104
Port Forwarding Rate(Mpps)		68.448
PON Port Specification	Transmission Distance	20KM
	GPON port speed	Upstream 1.244Gbps, Downstream 2.488Gbps
	Wavelength	TX 1490nm, RX 1310nm
	Connector	SC/UPC
	Fiber Type	9/125μm SMF
	Supported PON module level	Class B+, C, C+, C++, C+++
Management Mode		EMS, WEB, SNMP, Telnet , CLI

Management Function

- SNMP,Telnet,CLI,WEB,SSH v2;
- Fan Group Control
- Port Status monitoring and configuration management
- Online ONTconfiguration and management
- User management
- Alarm management

Layer2 Switch

- 32K Mac address
- Support 4096 VLANs
- Support port VLAN
- Support VLAN tag/Un-tag, VLAN transparent transmission
- Support VLAN translation and QinQ
- Support storm control based on port
- Support port isolation
- Support port rate limitation
- Support 802.1D and 802.1W
- Support static LACP,Dynamic LACP
- QoS based on port, VID, TOS and MAC address
- Access control list
- IEEE802.x flowcontrol
- Port stability statistic and monitoring

Multicast

- IGMP snooping
- 2048 IP Multicast Groups;

DHCP

- DHCP server,DHCP relay,DHCP snooping
- DHCP option82

Layer 3 Route

- ARP proxy
- 4096 hardware Host Routes,512 hardware Subnet Routes
- Support Radius,Tacacs+
- Support IP source guard
- Support static route ,dynamic route RIP v1/v2,RIPng and OSPF v2/v3;

IPv6

- Support NDP;
- Support IPv6 Ping,IPv6 Telnet,IPv6 routing;
- Support ACL based on source IPv6 address, destination IPv6 address, L4 port, protocol type, etc;
- Support MLD v1/v2 snooping(Multicast Listener Discovery snooping)

GPON Function

- Tcont DBA
- Gemport traffic
- In compliant with ITU-T984.x standard
- Up to 20KM transmission Distance
- Support data encryption, multi-cast, port VLAN, separation, RSTP, etc
- Support ONT auto-discovery/link detection/remote upgrade of software

- Support VLAN division and user separation to avoid broadcast storm
- Support power-off alarm function, easy for link problem detection
- Support broadcasting storm resistance function
- Support port isolation between different ports
- Support ACL and SNMP to configure data packet filter flexibly
- Specialized design for system breakdown prevention to maintain stable system
- Support RSTP

Dimension (L*W*H)

- 442mm*319mm*43.6mm

Weight

- Net weight of single power: 4.05kg
- Gross weight of single power: 5.65kg

Power Consumption

45W

Working Temperature

- 20°C ~+60°C

Storage Temperature

- 40~+70°C

Relative Humidity

- 5~95% (non-condensing)

Ordering Information

Product Name	Product Description	Power Configuration	Accessories
OP1608	8*GPON,4*RJ45+2*SFP+2*SFP+	1*AC power 2*AC power 2*DC power 1*AC power + 1* DC power	GPON SFP C++ module GPON SFP C+++ module 1G SFP module 10G SFP+ module

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