

Technical Data Sheet

8 Port L3 GPON OLT with ZTE Chipset



PRODUCT CODE
NTPL-OLT-GPN08Z

Features

Items	Description
Special features	Plug and play, features auto-detecting, auto-configuration, and auto firmware upgrade, etc.
	Integrated OAM remote configuration and maintenance function.
	Functions like transceiver diagnostic monitoring, transmitter disable, etc
	Fully compatibility with OLT based on Broadcom/PMC/Cortina chipset
Data Service Functions	10M/100M/1000M half/full duplex, auto-adaptive Ethernet interface.
	Support port monitoring, port rate limiting, port SLA, port configuration, etc.
	Support auto polarity detection of Ethernet ports (AUTO MDIX)
Chipset	ZTE

Technical Specifications

Chassis		1U 19-inch standard box
1000M Uplink Port	Copper 10/100/1000M auto-negotiation	8
	SFP 1000M, Duplex (independent)	6
	SFP+ (SFP+ is 10GE) (independent)	2
GPON Port	QTY	8
	Physical Interface	SFP Slot

	Connector Type	Class B+/C+
	Max splitting ratio	1:128
Management Ports		1*10/100BASE-T out-band port, 1*CONSOLE port
PON Port Specification	Transmission Distance	20KM
	GPON port speed	Upstream 1.244G, Downstream 2.488G
	Wavelength	TX 1490nm, RX 1310nm
	Connector	SC/PC
	Fiber Type	9/125µm SMF
	TX Power	+1~+5dBm
	Rx Sensitivity	-28dBm
	Saturation Optical Power	-8dBm
Management Mode		SNMP, Telnet CLI and Web
Management Function	Fan Group Detecting;	
	Port Status monitoring and configuration management;	
	Layer2 switch configuration such as VLAN, Trunk, RSTP, IGMP, QOS, etc;	
	GPON management function: DBA, ONT authorization, ACL, QOS, etc;	
	Online ONT configuration and management;	
	User management;	
	Alarm management.	
Layer2 Switch	16K Mac address	
	Support 4096 VLANs;	
	Support port VLAN and protocol VLAN;	
	Support VLAN tag/Un-tag, VLAN transparent transmission, QinQ;	
	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;
	QOS based on port, VID, TOS and MAC address;
	Access control list;
	IEEE802.x flow control;
	Port stability statistic and monitoring.
Multicast	IGMP snooping
	256 IP Multicast Groups;
DHCP	DHCP server
	DHCP relay
	DHCP snooping
Layer 3Route	Arp proxy
	Static route
	1024 hardware Host Routes;
	512 hardware Subnet Routes;
GPON Function	Tcont dba;
	Gemport traffic
	In compliant with ITUT984.xstandard;
	Up to 20KM transmission Distance;
	Support data encryption, multi-cast, port VLAN, separation, RSTP, etc;
	Support ONU 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, IGMP Proxy.	
Dimension(L*W*H)	442mm*200mm*43.6mm	
Weight	3.1kg	
Power Supply	220VAC	AC:90~264V, 47/63Hz (Double Power Module Hot Backup)



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