

Technical Data Sheet

8 Port L3 GPON OLTwith Broadcom Chipset



PRODUCT CODE
NTPL-OLT-GPN08B

Features

Product Highlights

- 150V – 265V AC redundancy power supply

Delivering Capacity-

- Backbone bandwidth 256Gbps

Security features -

- Bidirectional data encryption
- ONU authentication
- MAC limit,L2 –L4 ACL
- Port Isolation

Layer 2 Functions –

- Fully support of QoS
- Support VLAN Translation
- Support VLAN QinQ
- Support VLAN tagging
- Support Link aggregation

Layer 3 Functions -

- ARP, ARP proxy
- DHCP relay, DHCP proxy
- Static routing, Dynamic routing

Specification

NTPL-OLT-GPN08B		
Technical Specifications		
Chassis	Rack Mountable	1U
Chipset	Broadcom	
GPON Port	QTY	8
	Physical Interface	SFP Slots
	Connector Module Type	Class B+/C+/C++
Uplink Port	QTY	8­
	SFP	4x10GE SFP+
	Ethernet	4xGE RJ45 10/100/1000M auto-negotiation
	Max splitting ratio	1:128
PON Port Specification		
Transmission Distance	20KM	
GPON port speed	Downstream: 2.5Gbps Upstream: 1.25Gbps	
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, CLI, WEB	
Max ONU	1024	
Management Function	Fan Group Detecting; Port Status monitoring and configuration management; GPON management function: DBA, ONU authorization, ACL, QOS, etc.; Online ONU configuration and management; User management; Alarm management.	
Layer2 Switch	Fully support of QoS Support VLAN Translation Support VLAN QinQ,	

	Support VLAN tagging, trunk Support VLAN Aggregation Support Link aggregation
	Support port isolation Support RSTP; MAC limit, L2 –L4 ACL
Multicast	IGMP snooping; 512 IP Multicast Groups;
DHCP	DHCP relay; DHCP snooping;
Layer 3 Route	ARP, ARP proxy DHCP relay, DHCP proxy Static routing, Dynamic routing Support RIP, BGP, OSPF
GPON Function	Tcont dba; Gemport traffic; In compliant with ITUT G.988 Standard; Support data encryption, multi-cast, port VLAN, separation, RSTP, etc.; Support ONU auto-find/link detection/remote upgrade of software; Support ONU Multiple Authorization: Loid, LOID+Password, SN, etc. Support VLAN division and user separation to avoid broadcast storm; Support VLAN Pool; Support ONU RF management Support power-off alarm function, easy for link problem detection; Support broadcasting storm resistance function; Support port isolation; Support ACL to configure data packet filter flexibly; Support ONU distance calculation on NMS; Support IGMP Proxy. Support Loop Detection; Support Rogue ONU Detect;
Power Supply	220V/48V - Redundant Power supply
Power Consumption	< 40W

Operating Environment	Operating Temperature	-15~+55°C
	Storage Temperature	-40~+75°C
	Relative Humidity	5~90% (non-conditioning)



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