

GPON OLT with 8 PON Ports

NT-OLT-1600G1-VS

8 x GPON, 4 x RJ45, 2 x SFP, 2 x SFP+



Description:

The Nanda Technologies NT-OLT-1600G1 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.

Features:

- **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.



Specifications:

Parameter		Specification
Chassis	Rack	1RU, 19 inch 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 x 10/100/1000BASE-T out-band port, 1 x CONSOLE port, 1 x 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+++
Power supply	AC	Working Voltage Range: 100 ~ 240V Rated Voltage: 110V/220V
	DC	Working Voltage Range: -36 ~ -75V Rated Voltage: -48V/-60V
Management Mode		EMS, WEB, SNMP, Telnet, CLI

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Function	
Parameter	Specification
Management Function	SNMP, Telnet, CLI, WEB, SSH v2 Fan Group Control Port Status monitoring and configuration management Online ONT configuration and management User management Alarm management
GPON Function	Tcont DBA Gempont traffic In compliant with ITU-T984.x standard Up to 20Km transmission distance Support data encryption, multi-cast, port VLAN, separation, RSTP 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
IPv6	Support NDP Support IPv6 Ping, IPv6 Telnet, IPv6 routing Support ACL based on source IPv6 address, destination IPv6 address, L4 port, protocol type Support MLD v1/v2 snooping(Multicast Listener Discovery snooping)
Characteristics	Dimension (L x W x H): 442mm x 319mm x 43.6mm Weight: Net weight of single power: 4.05kg, Gross weight of single power: 5.65kg Power Consumption: 45W Working Temperature: -20° ~ +60°C Storage Temperature: -40 ~ +70°C Relative Humidity: 5 ~ 95% (non-condensing)