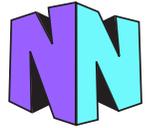


GPON OLT with 16 PON Ports

NT-OLT-1600G2-VS

16 x GPON, 4GE (RJ45), 4 x 10GE (SFP+)



Description:

The Nanda Technologies NT-1600G2-B-VS is a pizza-box GPON OLT with 16 GPON ports that meets flexible and fast FTTx access, suiting the scenarios such as sparse, remote, cost-sensitive area, smart industrial park, commercial buildings, 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.



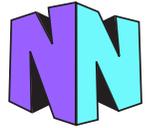
Specifications:

| Parameter | | Specification |
|-----------------------------|----------------------------|---|
| Chassis | Rack | 1RU, 19 inch standard box |
| Uplink Port | Qty | 8 |
| | RJ45 (GE) | 4 |
| | SFP(GE) / SFP+(10GE) | 4 |
| GPON Port | Qty | 16 |
| | 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, 1 x Type-C USB (for console) |
| Backplane Bandwidth (Gbps) | | 208 |
| Port Forwarding Rate (Mpps) | | 124.992 |
| 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 Gempport 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: 4.80kg, Gross weight of single power: 6.40kg Power Consumption: 85W Working Temperature: -20° ~ +60°C Storage Temperature: -40 ~ +70°C Relative Humidity: 5 ~ 95% (non-condensing) |