

**OPTICAL LINE
TERMINAL**



BY FIBER SYSTEM

PRODUCT MANUAL

8 PON EPON OLT

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Product Overview

VSOL V1600D8 GEAPON Optical Line Terminal (OLT) consists of eight GEAPON ports, four GbE SFP ports, four 1G/10G SFP+ ports, eight GbE RJ45 interfaces and one management port.

It is easy to install and maintain a GEAPON deployment. With PLANET GEAPON Optical Network Unit (ONU) EPN series, the V1600D8 can provide highly-effective GEAPON solutions and convenient management for broadband network.

GEAPON technology provides a high bandwidth of up to 1.25Gbps for both upstream and downstream, long-distance coverage of up to 20km between equipment nodes, and flexibility for network deployment.

It is a cost-effective access technology with reliable and scalable network for triple-play service applications.

Main Characteristics



Management Ports

- 1 * 10 / 100M RJ45 (AUX)
- 1 RJ45 Console port

Uplink Ports Or Uploading Ports

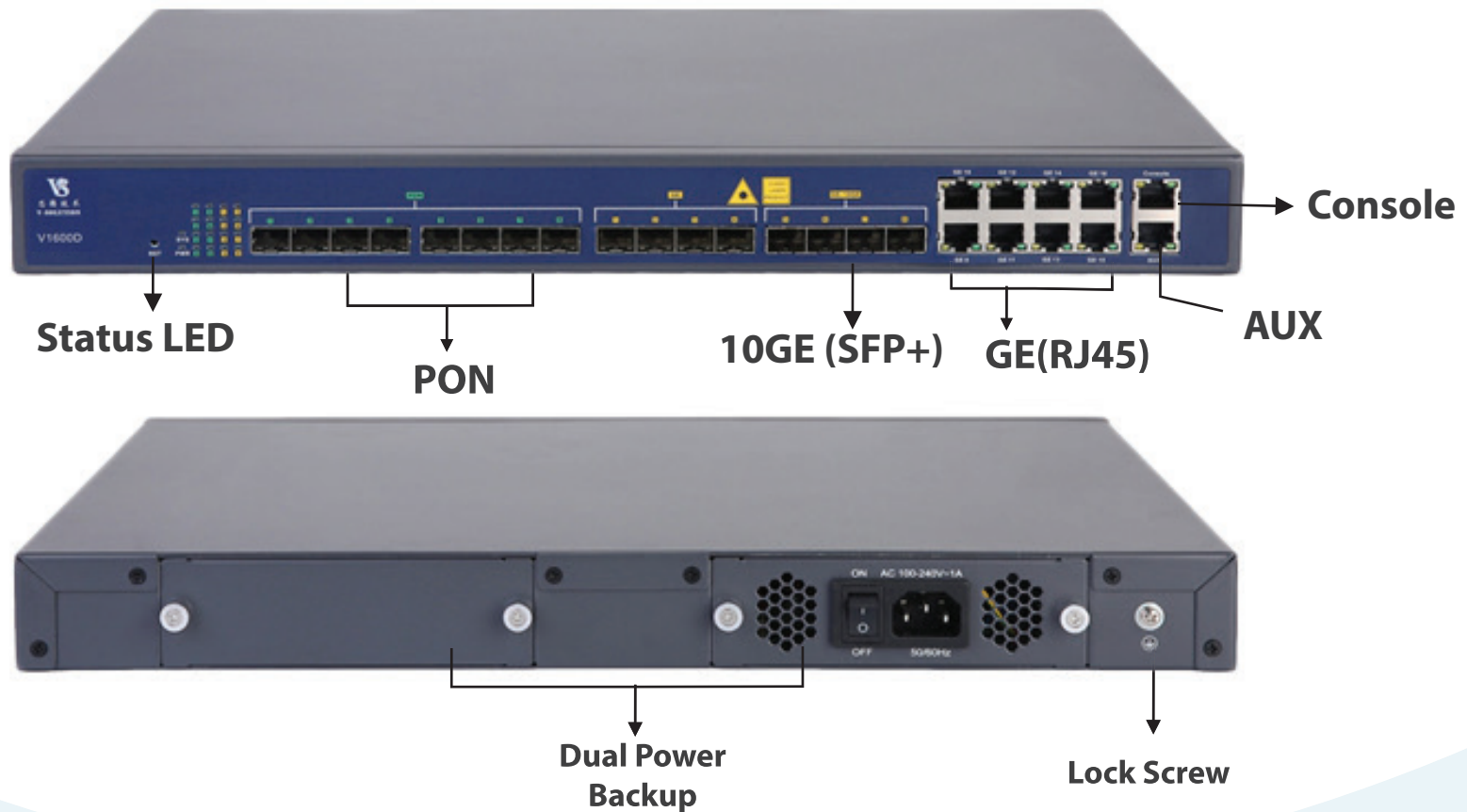
- 8 * 10/100 / 1000M RJ45
- 4 Gbps SFP slots
- 4 SFP 10 Gbps slots



Puerto Pon Specifications

- Includes 8 SFP PX20 ++
- Transmission distance 20 Km
- Wavelength 1490nmTX 1310 nmRX
- EPON port speed 1.25Gbps Symmetric
- TX power + 2- + 7dBm
- RX sensitivity -27dBm
- Optical Saturation Power -6dBm
- Maximum Division Ratio 1:64 per PON
- Can support 512 ONU

Detailed Description



Technical Specifications

| | | |
|-------------------------------|--|---------------------------------|
| Item | V1600D8 | |
| Chassis | Rack | 1U 19 inch standard box |
| 1000M Uplink Port | QTY | 16 |
| | Copper | 8*10/100/1000M auto-negotiation |
| | SFP | 8*SFP Or 4*SFP and 4*SFP+ slots |
| | (independent) | (SFP+ is 10GE) |
| | QTY | 8 |
| EPON Port | Physical Interface | SFP Slots |
| | Connector Type | 1000BASE-PX20+/ PX20++ |
| | Max splitting ratio | 1:64 |
| Management Ports | 1*10/100BASE-T out-band port, 1*CONSOLE port | |
| | Transmission Distance | 20KM |
| | EPON port speed | Symmetrical 1.25Gbps |
| | Wavelength | TX 1490nm, RX 1310nm |
| | Connector | SC/PC |
| PON Port Specification | Fiber Type | 9/125μm SMF |
| | TX Power | +2~+7dBm |
| | Rx Sensitivity | -27dBm |
| | Saturation Optical Power | -6dBm |



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