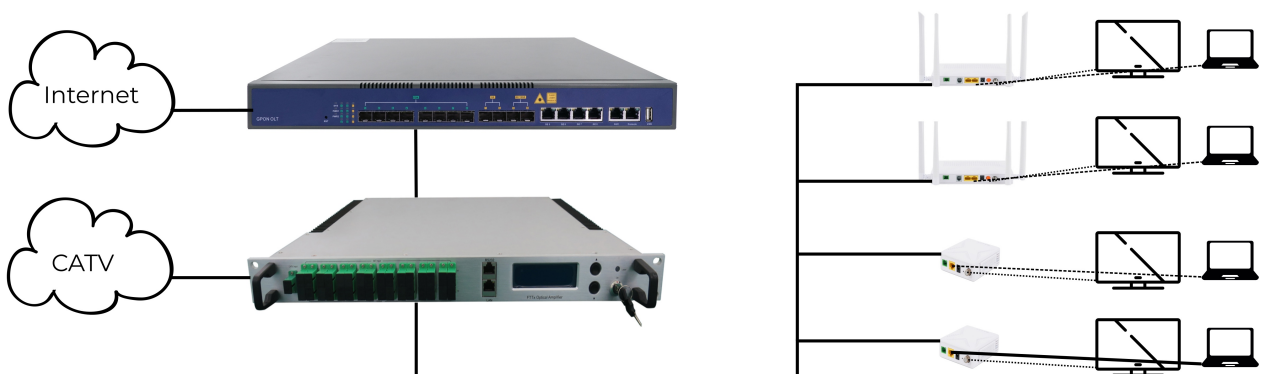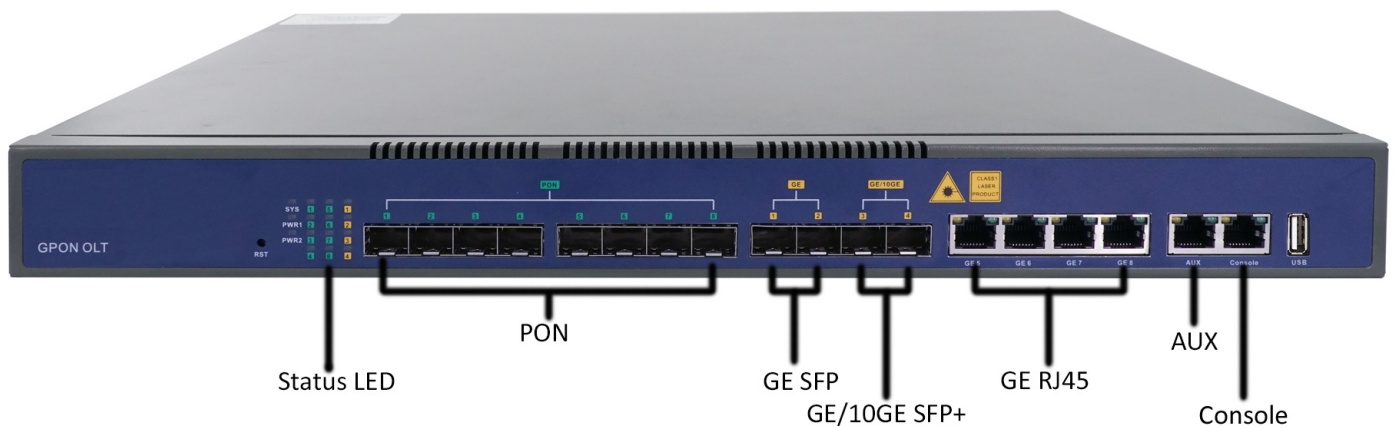# GPON OLT GP800B

Denfi.net GP800B is an innovative fiber optic access network system (FTTH), based on GPON, which provide 2.5Gbps bandwidths in descending and 1.25 Gbps in ascending in each of its GPON ports through passive optical distributions networks.

It is a system designed for deployment of, residential or private networks, in order to provide advanced data, Internet, VoIP, IPTV, CATV etc. services.

The GP800B OLT offers several management possibilities, both through a WebGUI friendly environment, as well as through an EMS system, based on the SNMP v1 / 2/3 protocol and even a console port (RS232C) with usual CLI line commands.

PON

Status LED

GE SFP

GE/10GE SFP+

GE RJ45

AUX

Console

Internet

CATV

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Specifications

Chassis	
Rack	1U 19 Inch Standard Box
GE/10GE Uplink Port	
QTY	8
RJ45(GE)	4
SFP(GE)	2
SFP+(10GE)	2
GPON Port	
QTY	8
Physical Interface	SFP Slots
Connector Type	Class C++
Max splitting ratio	1:128
Management Ports	1*10/100BASE-T out-band port, 1 * Console port
PON Port Specification (Class C++ module)	
Transmission Distance	20 Km
GPON port speed	Upstream 1.233Gbps, Downstream 2.488Gbps
Wavelength	TX 1490nm, RX 1310nm
Connector	SC/UPC
Fiber Type	9/125µm SMF
TX Power	+4.5~+10dBm
Rx Sensitivity	-30dBm
Saturation Optical Power	-12dBm
Dimension(L*W*H)(mm*mm*mm)	442*220*43.6
Weight(kg)	3.0
Power Supply	AC:100~240V, 47/63Hz

2 x 1G SFP ports, 2 x 10G SPF+ Ports and 4 x RJ45 1G Ports for uplink

8 x SFP PON ports

Dual Port for powersupply

Software Feature

- SNMP, Telnet, CLI, WEB, SSH v1/v2
- Online ONT configuration and management
- 16K Mac address
- Support for
    - 4096 VLANs
    - port VLAN and protocol VLAN
    - VLAN tag/Un-tag, VLAN transparent transmission
    - VLAN translation and QinQ
    - Support storm control based on port
    - Support port isolation
    - Support port rate limitation
    - Support 802.1D and 802.1W
    - static LACP, Dynamic LACP
- QoS based on port, VID, TOS and MAC address
- Access control list
- IEEE802.x flow control
- Port stability statistic and monitoring
- IGMP snooping
- 1024 IP Multicast Groups

- DHCP server, DHCP relay, DHCP snooping
- DHCP option82
- ARP proxy,2048 hardware Host Routes,2048 hardware Subnet Routes
- Support 802.1X, Radius, Tacacs+
- Support IP source guard
- Support static route
- Optional Support Dynamic route RIP v1/v2, RIPng
- Optional Support OSPF v2/v3
- Support NDP
- Support IPv6 Ping, IPv6 Telnet, IPv6 routing
- Support ACL based on source IPv6 address, destination IPv6 address, L4 port
- Support MLD v1/v2 snooping (Multicast Listener Discovery snooping);