

High-Performance Internet Solution for FTTx and Triple Play Applications



GPON

GPON ONTs/HGUs

GEPON

GEPON SFU ONU

VDSL2

VDSL2 Converter



IPTV



Internet



Online Gaming



VoIP via Wi-Fi

Broadband Communication

PLANET Last Mile Transmission Solution provides not only CO (Central Office) side of equipment for ISPs but also CPE (Customer Premises Equipment) side of device for end users. Its high bandwidth certainly meets the requirements of triple play devices for today's home entertainment and communications.



Delivering Highly-demanding Connectivity for ISPs/Triple Play Devices

With the capability of 100/100Mbps symmetric data transmission, PLANET VDSL2 Solution enables many multi-media services, such as VoD (Video on Demand), Voice over IP, video phone, IPTV, Internet caching server, distance education and so on, to work on the Internet without any reservation.



1.25Gbps High-speed and 20km Long-distance Coverage for Triple Play Services

PLANET GEAPON/GPON Solution provides a high bandwidth of up to 1.25Gbps for both upstream and downstream, and a long-distance coverage of up to 20km between equipment nodes for network deployment, thereby meeting the demand of increasing home multimedia and entertainment.

GPON

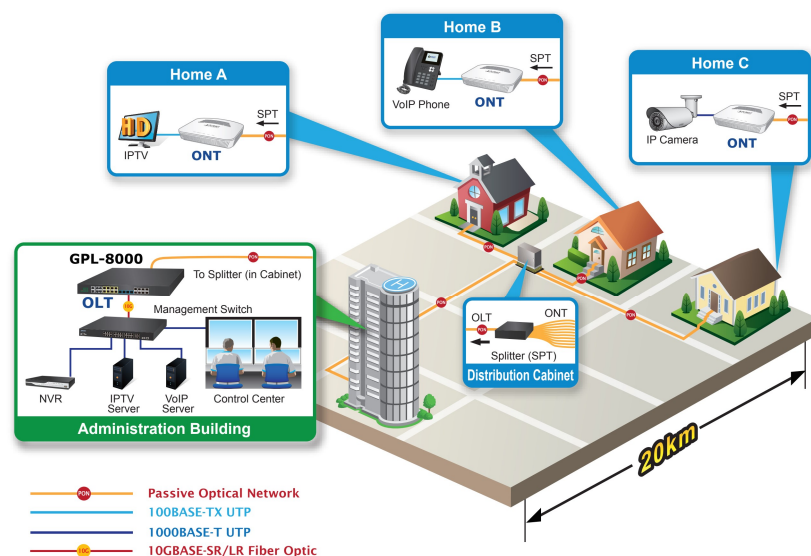


High-performance GPON for FTTx Applications

PLANET GPL-8000 GPON Optical Line Terminal (OLT) consists of eight GPON ports, four Gigabit TP/SFP combo ports, four Gigabit SFP ports, four 10G SFP+ ports and one management port. It provides a high bandwidth of up to 2.5Gbps for downstream and 1.25Gbps for upstream, complies with ITU-T G.984/G.988 and meets GPON OLT requirements regulated in network access technical requirements. It is easy to install and maintain a GPON deployment of up to 1024 ONU and HGU devices, providing highly-effective GPON solutions and convenient management for fiber optic broadband network.

- Complies with ITU-T G.984/G.988
- Up to 128 ONTs split ratio per port
- Distance up to 20km
- Up to 2.5Gbps downstream and 1.25Gbps upstream
- Each PON port supports up to 128 ONT/HGU
- IEEE 802.1Q tagged VLAN and Q-in-Q VLAN supported
- Optional redundant power design with dual-AC or AC+DC supported

Fiber To The Home (FTTH) Application



GPL-8000

GPON OLT

- 8 PON ports, 8 1G SFP ports, 8 1G/10G SFP+ ports and 4 Gigabit RJ45 interfaces
- Complies with ITU-T G.984/G.988
- Per PON supports 128 ONT/HGU devices
- Asymmetric downlink 2.5Gbps/uplink 1.25Gbps
- Distance up to 20km
- IEEE 802.1Q tagged VLAN and Q-in-Q VLAN supported
- User-friendly GUI management
- Optional redundant power design with dual-AC or AC+DC supported

GPN-100

GPON ONT

- One 10/100/1000 RJ45 port
- Up to 2.5Gbps downstream and 1.25Gbps upstream
- Distance up to 20km
- Compliant with ITU-T G.984/988
- Supports IGMP snooping and SLA
- Supports DBA and QoS

GPN-400ACV

GPON HGU

- Built-in 4-port 100/1000Mbps Ethernet
- 2 FXS ports for VoIP communication
- 1 USB 2.0 port for configuration backup
- Complies with ITU G.984/988
- Up to 2.5Gbps downstream and 1.25Gbps upstream
- Compatible with 802.11ac/n wireless technology with data rate of up to 1200Mbps

EPL-SPT-8/EPL-SPT-32/EPL-SPT-64

GPON Splitter

- 1 : 8 high split ratio (EPL-SPT-8)
- 1 : 32 high split ratio (EPL-SPT-32)
- 1 : 64 high split ratio (EPL-SPT-64)
- Wide operating wavelength: 1260nm to 1650nm
- Wide operating temperature: -40 to 85 degrees C

GEPON

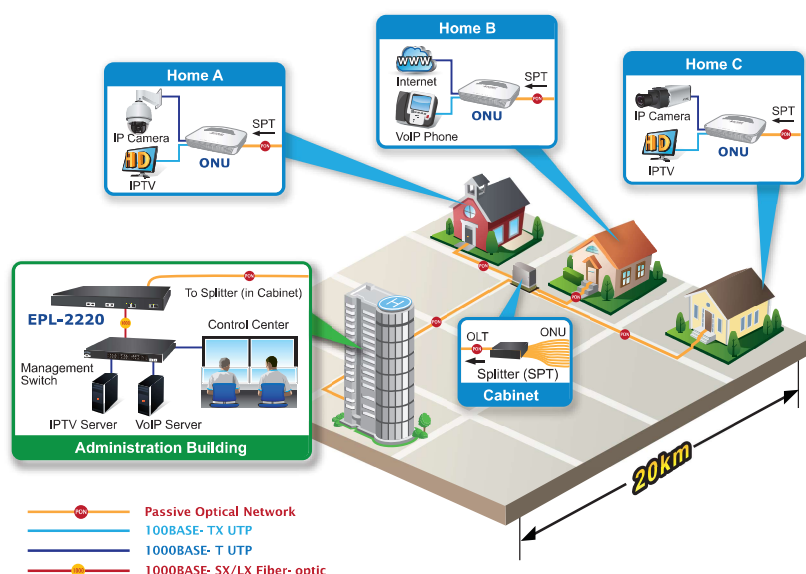


Perfectly Designed for FTTx Applications

With growing network services such as HDTV, IPTV, Voice-over-IP (VoIP) and multimedia broadband applications, the demand for broadband increases quickly. The present broadband environment is not in accord with the requirements; however, Passive Optical Network (PON) would be the most promising NGN (Next Generation Networking) technology to fulfill the demand.

- PON interface complies with IEEE 802.3ah
- Up to 20km in distance
- Up to 1.25Gbps upstream and downstream
- Dynamic bandwidth allocation (DBA) support
- Supports IEEE 802.1q VLAN
- Point-to-multipoint network topology
- Up to 32 OLTs management through single GUI
- User-friendly GUI management

Fiber To The Home (FTTH) Application



EPL-4000

GEAPON OLT

- Optical Split Ratio: Up to 1:64
- 4 SC-type GEAPON OLT ports
- 4 x 1/10 GbE SFP+, 4 x 1000 BASE-T RJ45, 1 x MGT port
- Supporting up to 16K MAC address table
- Supporting 802.1Q tagged VLAN
- Up to 32 OLTs management through EMS
- User-friendly WEB management interface

EPL-8000

GEAPON OLT

- Optical Split Ratio: Up to 1:64
- 8 SC-type GEAPON OLT ports
- 4 x GbE SFP, 4 x Shared 1/10GbE SFP+, 4 x 1000 BASE-T RJ45, 1 x MGT port
- Supporting up to 16K MAC address table
- Supporting 802.1Q tagged VLAN
- Up to 32 OLTs management through EMS
- User-friendly WEB management interface

EPN-110

GEAPON ONU

- PON interface, 1-port GE interface
- Dynamic bandwidth allocation (DBA) support
- Supports 64 MAC addresses

EPL-SPT-8/EPL-SPT-32/EPL-SPT-64

GEAPON Splitter

- 1 : 8 high split ratio (EPL-SPT-8)
- 1 : 32 high split ratio (EPL-SPT-32)
- 1 : 64 high split ratio (EPL-SPT-64)
- Wide operating wavelength: 1260nm to 1650nm
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VDSL2 Bridges/Routers



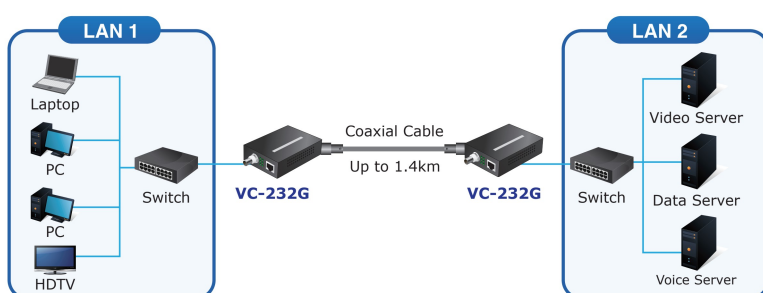
High-Performance VDSL2 Data Rate over Existing Phone Lines

PLANET 30a VDSL2 Solution contains various VDSL2 CPE (customer premises equipment) models for telecoms, ISPs (internet service providers), SIs (system integrators), IP surveillance providers, etc. It is based on two core networking technologies -- Ethernet and VDSL2 (very-high-data-rate digital subscriber line 2). The total VDSL2 solution offers the absolutely fastest data transmission speeds over the existing cooper telephone lines without the need of rewiring. The ideal xDSL technology provides the best solution to the last-mile connectivity.

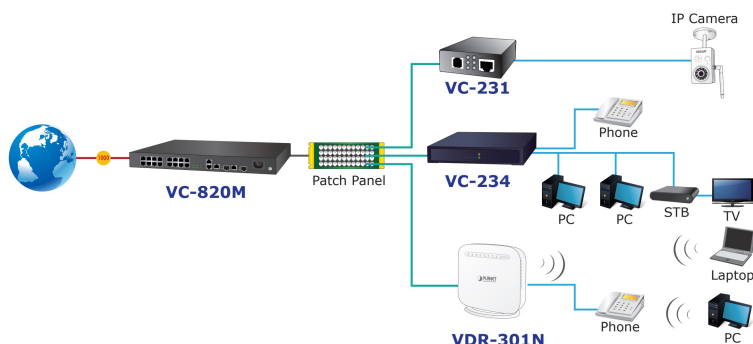
Ethernet over VDSL2 Converter

- One box design, CO/CPE selectable via DIP switch
- ITU-T G.993.2 VDSL2 (Profile 17a or Profile 30a)
- Built-in POTS splitter
- Compact in size, easy installation
- 10-/19-inch chassis compatible (MC-700/MC-1500/1500R)

VDSL2 Point to Point Application for Best Performance



VDSL2 Point to Multi-Point Application for Flexible Deployments



VC-231

High bandwidth 10/100TX over VDSL2 Media Converter

- VDSL2 ITU-T G.993.2 30a profile
- 100/100Mbps download/upload @1000ft
- 1-port 10/100BASE-TX RJ45

VC-234

High bandwidth 4-port 10/100TX to VDSL2 Bridge

- VDSL2 ITU-T G.993.2 30a profile
- 100/100Mbps download/upload @1000ft
- 4-port 10/100BASE-TX RJ45

VC-231G/VC-231GP

1-port 10/100/1000T Ethernet over VDSL2 Media Converter

- One RJ11 connector for VDSL connection
- One 10/100/1000BASE-T RJ45
- ITU-T G.993.5 G.vectoring and G.INP
- Upstream/Downstream bandwidth up to 200/100Mbps
- CO/CPE mode selectable via DIP switch
- Selectable target band plan and SNR margin
- 30-watt 802.3at PoE+ PSE (VC-231GP)

VC-231GF

1-port 1000X SFP Fiber Ethernet over VDSL2 Media Converter

- One RJ11 connector for VDSL connection
- One 1000BASE-X SFP
- ITU-T G.993.5 G.vectoring and G.INP
- Upstream/Downstream bandwidth up to 200/100Mbps
- CO/CPE mode selectable via DIP switch
- Selectable target band plan and SNR margin

VC-232G

1-port 10/100/1000T Ethernet over Coaxial Media Converter

- One BNC connector for VDSL connection
- Uses existing RG59/RG6 coaxial cable
- One 10/100/1000BASE-T RJ45
- ITU-T G.993.5 G.vectoring and G.INP
- Upstream/Downstream bandwidth up to 200/100Mbps
- CO/CPE mode selectable via DIP switch
- Selectable target band plan and SNR margin

VC-234G

4-port 10/100/1000T Ethernet to VDSL2 Bridge

- One RJ11 connector for VDSL connection
- One phone connector for telephone connection
- Four 10/100/1000BASE-T RJ45
- ITU-T G.993.5 G.vectoring and G.INP
- Upstream/Downstream bandwidth up to 200/100Mbps
- CO/CPE mode selectable via DIP switch
- Selectable target band plan and SNR margin