



GEAPON OLT
▶ EPL-2220

High-Performance Internet Solution for FTTx and Triple Play Applications

GEAPON

VDSL2



GEAPON SFU ONU
▶ EPN-110



VDSL2 Router
▶ VDR-301N



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 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.

Managing Your Office from Your Mobile Device

Users have an IP PBX phone number including an office extension number where calls ring simultaneously on their mobile device, making it easy to connect one another wherever they are. Access to people, messages and information helps mobile users deliver whether they are in or out of the office.



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

EPL-2220

GEPON OLT

- Optical split ratio: Up to 1:64
- 2-PON interface, 2 x GbE SFP, 2 x 1000BASE-T RJ45, 1 x MGT port
- Supporting up to 16K MAC address table
- Supporting 802.1Q VLAN
- Up to 32 OLTs management through EMS
- User-friendly WEB management interface

EPL-110

GEPON ONU

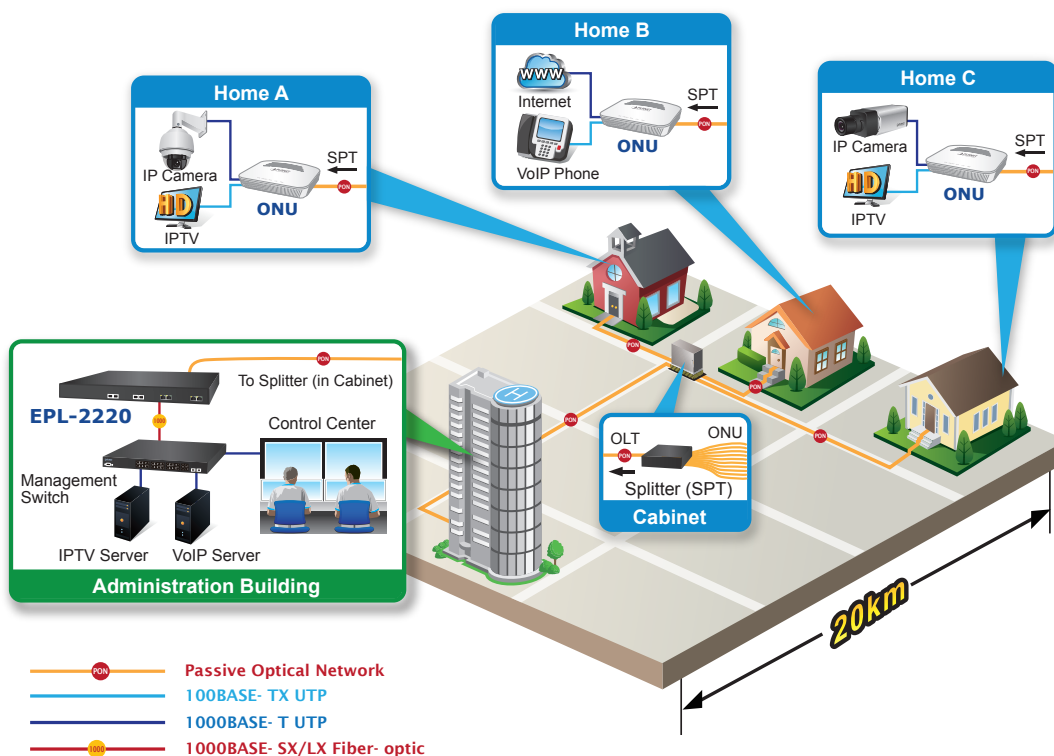
- PON interface, 1-port GE interface
- Dynamic bandwidth allocation (DBA) support
- Supports 64 MAC addresses

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

GEPON 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

Fiber To The Home (FTTH) Application



VDSL2 IP DSLAM/CO Switches



VDL-2420M



VC-820M

Perfectly Designed for FTTx Last Mile Applications

PLANET VDL-2420M is a telecom-level, high-performance VDSL2 IP DSLAM (Digital Subscriber Line Access Multiplexer) with 24-port VDSL2, 2-port Gigabit TP/SFP combo interfaces and robust Layer 2+ switching features. The VDL-2420M is fully compliant with the ITU-T G.993.2 standard and supports VDSL2 30a profiles to offer maximum download and upload line rate up to 100/100Mbps on the existing twisted pair lines. The VDL-2420M provides service providers with high bandwidth for triple-play services such as IPTV, HDTV, video phone and Internet gaming on the same copper line, and uplink to the core/metro Ethernet network through the two Gigabit fiber optical interfaces. It is an ideal CO solution for FTTx Last Mile applications of broadband access by ISPs, telecoms and campuses.

VDL-2420M

24-port VDSL2 IP DSLAM + 2-port Gigabit TP/SFP Combo

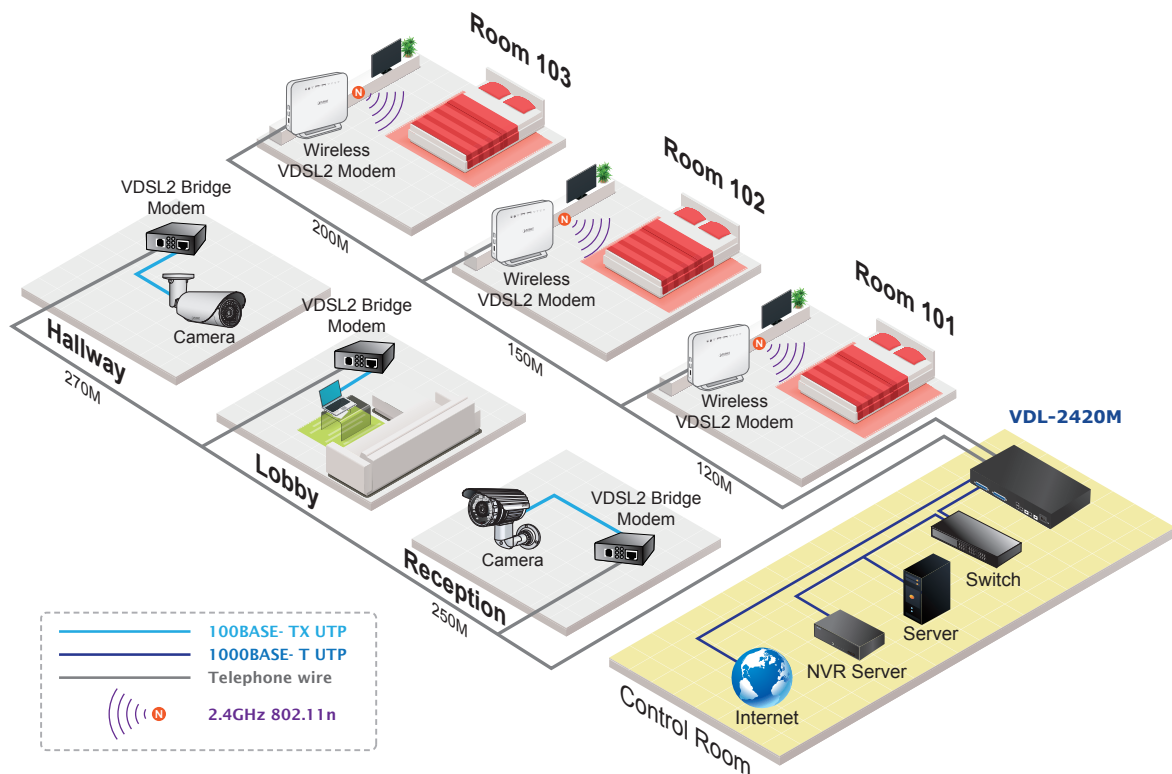
- 24 VDSL2 subscriber interfaces with built-in POTS splitter
- Two 100/1000Mbps TP and SFP shared combo interfaces
- Supports ITU-T G.993.2
- Supports VDSL2 profile up to 30a
- Supports 802.1Q, Q-in-Q, GVRP VLAN
- Supports IGMP snooping v1, v2 and v3
- Supports IPv4 Web; Telnet; SNMP v1, v2c, v3 management

VC-820M

8-port VDSL2 CO + 2G TP/SFP combo managed switch

- 8-port VDSL2 CO subscriber interface

Hotel Application



VDSL2 Bridges/Routers



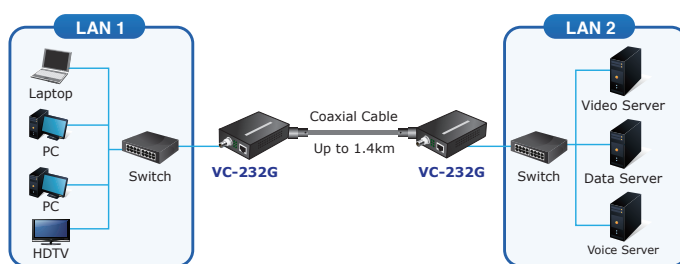
High-Performance VDSL2 Data Rate over Existing Phone Lines

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 copper telephone lines without the need of rewiring. The ideal xDSL technology provides the best solution to the last-mile connectivity.

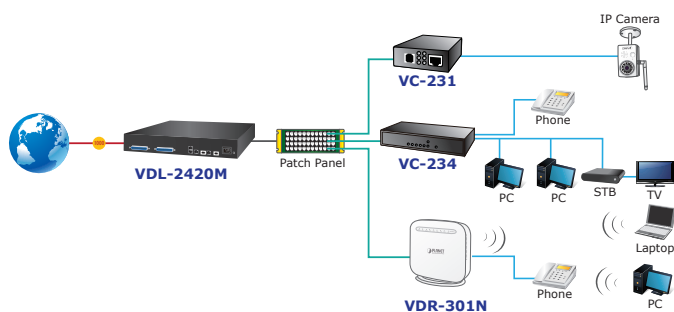
Ethernet over VDSL2 Converter

- 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

VDR-300NU

300Mbps Dual Band Wireless VDSL2 Router

- Built-in VDSL2 modem
- G. vectoring
- Multiple WAN connections and 3G WAN backup
- Selectable dual band wireless
- TR069 compliant
- DLNA media server

VDR-301N

300Mbps Wireless VDSL2 Bridge Router

- Built-in VDSL2 modem
- G. vectoring
- Multiple WAN connections
- Supports IPv6
- TR069 compliant
- Traffic Shaping for traffic control

VC-231G

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

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



ADSL 2/2+ IP DSLAMs

PLANET ADSL2/ADSL2+ mini IP DSLAM with 1000BASE-T uplink interface offers scalable and easy deployment for the network with small ADSL environment. With the built-in POTS splitter subscriber ports, the IP DSLAM performs a cost-effective solution for network service providers to offer multiple subscribers excellent services.

- DMT data rate: Downstream up to 25Mbps, upstream up to 3Mbps
- Local RS232 CLI and Ethernet SNMP, Telnet, SSH management
- Supports IPSec, L2TP, PPTP VPN pass-through
- Supports IEEE 802.1q tag-based VLAN and protocol-based VLAN
- Layer 2/3 filtering based on MAC, IP, Protocol, Port Number and Ether Type
- Access Control List by MAC, IP, Protocol and Port Number
- Traffic prioritization (802.1p)
- Supports IGMP snooping/proxy per IGMP v1, v2, and v3
- Temperature monitoring and system overheating trap functionality
- Supports IEEE 802.1d Spanning Tree Protocol and IEEE 802.3ad Link Aggregation

IDL-2402

- 24-port ADSL/ADSL2/ADSL2+ subscriber interface with built-in POTS splitter
- 1000BASE-T uplink interface



IDL-4802

- 48-port ADSL/ADSL2/ADSL2+ Subscriber interface with built-in POTS splitter
- 2 x 1000BASE-T or 2 x mini-GbE uplink interface

