



Last Mile Transmission - VDSL2

PLANET Last Mile Transmission Solution includes 4 different kinds of technologies such as ADSL2+, VDSL2, GEPON, and Fiber for various applications. For each technology, PLANET provides not only CO (Central Office) side of equipment for ISP but also CPE (Customer Premises Equipment) side of device for end users. PLANET Last Mile CO equipment and CPE devices enable long distance IP Surveillance deployment and many multimedia services to be realized on local high speed Internet, such as:

- IPTV/HDTV
- VoD (Video on Demand)
- Voice over IP
- On-line Game
- Distance Education
- Video Conference/Video Phone
- Internet Radio/On-line Music



PLANET perfect Last Mile Transmission Solution with the combination of CO and CPE provides the excellent bandwidth to satisfy the triple play devices for home entertainment and communication.

VDSL2

PLANET VDSL2 Solution contains multiple-port CO VDSL2 Managed switches and various VDSL2 CPE models for telecoms, ISPs, SIs, IP surveillance providers, etc. The total VDSL2 solution offers the absolutely fastest data transmission speeds over existing cooper telephone lines without the need of rewiring.

The Best Last Mile Solution

- Quickly provides cost-effective, high-speed broadband connection services
- Symmetric 200Mbps downstream and 100Mbps upstream data rate
- Meets increasing demand for high-bandwidth triple play services

Co-existence with Traditional Phone

- Built-in POTS splitter provides flexible linking option
- Selectable VDSL2 profile and band plan for worldwide service provider
- Various CPE models for a wide range of customer applications
- Wired router, IEEE 802.11n wireless router, converter and CPEs available on demand

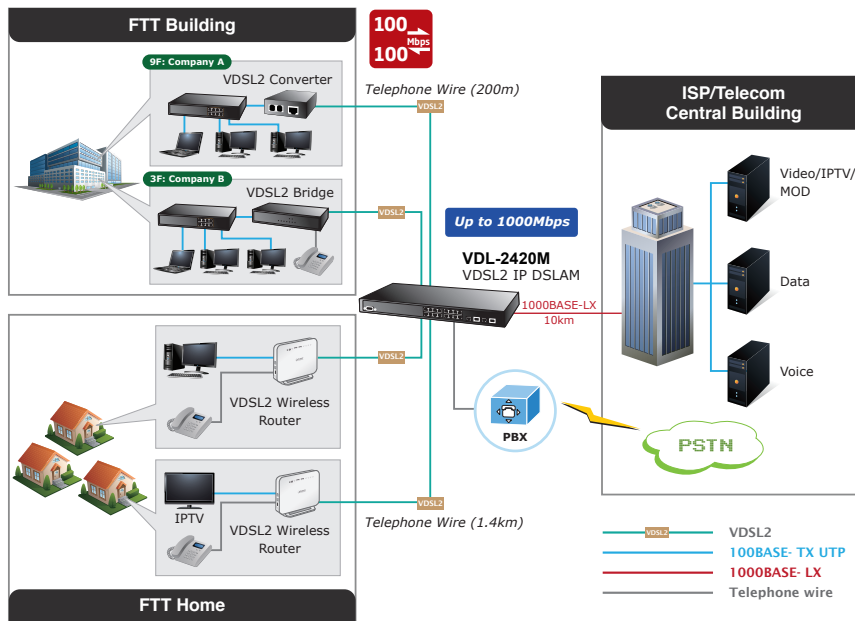
Carrier Class

- DC powered CO switch for telecom applications
- High reliability and easy maintenance
- Powerful SNMP, CLI, and Web GUI management features are provided for ease of use

Advanced Security

- Comprehensive Layer 2, Layer 3 and Layer 4 Access Control List (ACL) to filter out unwanted traffic
- MAC filter, static MAC, IP/MAC binding and port security for enforcing security policies to the edge

The Best Last Mile Solution



VDSL2 IP DSLAM, Switches

Model	VDL-2420M	VC-820M
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Product Image



Subscriber Interface	24-Port	8-Port
VDSL2 Interface	1 x Telco-50	8 x RJ11
POTS Interface	1 x Telco-50	8 x RJ11
10/100/1000T	2	2
1000SX/LX	2 (Combo)	2 (Combo)
VDSL Standard	ITU-T G.993.2 VDSL2	ITU-T G.993.2 VDSL2
VDSL Profile	Supports 997/998 Band Plans and Annex A/Annex B/Annex C	
Maximum Speed	30a: 100/100Mbps 17a: 100/55Mbps	30a: 100/100Mbps 17a: 100/55Mbps
UPBO/DPBO	● / ●	- / -
Management	Web, CLI, Console	Web, SSL, CLI, Console
SNMP	v1, v2c, v3, SNMP Trap	v1, v2c, v3, SNMP Trap
VLAN	802.1Q / Q-in-Q Port-based / GVRP	802.1Q / Q-in-Q Port-based / GVRP
Spanning Tree Protocol	802.1d / 802.1s	802.1d / 802.1s
Multicast	IGMP Snooping v1/v2, IGMP Querier	IGMP Snooping v1/v2, IGMP Querier
QoS	Port-CoS, DSCP-CoS	Port-CoS, DSCP-CoS
Port Security	●	●
Access Control List	L2/L3/L4	L3/L4
802.1X Authentication	●	●
Dimensions (W x D x H)	435 x 260 x 67 mm, 1.5U	440 x 220 x 44mm, 1U
Power	100 - 240V AC	100 - 240V AC

VDSL2 Router

Model	VDR-300NU	VDR-301N
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Product Image



LAN Port	4 x RJ45, 10/100Mbps	4xRJ45, 10/100Mbps
Coaxial Port	-	-
VDSL / Phone Port	1 x RJ11 (DSL)	1 x RJ11 (DSL)
VDSL Standard	ITU-T G.993.2 VDSL2	ITU-T G.993.2 VDSL2
G.Vectoring	●	●
VDSL Mode	CPE	CPE
VDSL Profile	30a	30a
Maximum Speed	100/100Mbps (DS/US)	100/100Mbps (DS/US)
Maximum Distance	1400 meters	1400 meters
Wireless AP	802.11 a/b/g/n	802.11 b/g/n
Splitter	-	-
Management Features	Static Route, DHCP Server, DMZ, Virtual Server, NAT Firewall, UPnP, Web Manager, IP/MAC/URL Filtering	Port Mapping, Static Route, DHCP Server, DMZ, Virtual Server, NAT Firewall, UPnP, Web Manager, SPI Firewall, Port/IP/MAC/URL Filtering

VDSL2 Bridges, Switches

Model	IVC-234GT	VC-234G	VC-232G	VC-231G	VC-234	VC-231
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Product Image



LAN Port	4 x RJ45, 10/100/1000Mbps	4 x RJ45, 10/100/1000Mbps	1 x BNC, 10/100/1000Mbps	1 x RJ45, 10/100/1000Mbps	4 x RJ45, 10/100Mbps	1 x RJ45, 10/100Mbps
Coaxial Port	1 x BNC, female connector	-	1 x BNC, female connector	-	-	-
VDSL / Phone Port	1 x RJ11 (VDSL2, Phone)	2 x RJ11 (VDSL2, Phone)	-	1 x RJ11 (VDSL2)	2 x RJ11 (VDSL2, Phone)	1 x RJ11 (VDSL2)
VDSL Standard	ITU-T G.993.2 VDSL2	ITU-T G.993.2 VDSL2	ITU-T G.993.2 VDSL2	ITU-T G.993.2 VDSL2	ITU-T G.993.2 VDSL2	ITU-T G.993.2 VDSL2
G.Vectoring	●	●	●	●	-	-
VDSL Mode	Selectable CO/CPE	Selectable CO/CPE	Selectable CO/CPE	Selectable CO/CPE	Selectable CO/CPE	Selectable CO/CPE
VDSL Profile	30a	30a	30a	30a	CO Mode: 17a, 30a	CO Mode: 17a, 30a
Maximum Speed	200/100Mbps (DS/US)	200/100Mbps (DS/US)	200/100Mbps (DS/US)	200/100Mbps (DS/US)	100/100Mbps (DS/US)	100/100Mbps (DS/US)
Maximum Distance	1400 meters	1400 meters	1400 meters	1400 meters	1400 meters	1400 meters
Wireless AP	-	-	-	-	-	-
Splitter	-	●	-	-	●	-
Management Features	Selectable G.INP and interleaved mode, selectable sym./asym. band plan, selectable 8dB/12dB SNR mode				Selectable fast and interleaved mode, selectable target 17a / 30a profiles, selectable target SNR mode	



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