

1-Port 10/100/1000T Ethernet to VDSL2 Converter w/ G.vectoring Comparison Table

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Marc / ENM Dept.

Brand	PLANET	PLANET
Model Name	VC-231G (V2)	VC-231G (V1)
Product Outlook		
VDSL Version	VDSL2	VDSL2
Hardware Specifications		
LAN Interface	1 x 10/100/1000BASE-T RJ45 auto-MDI/MDI-X port	1 x 10/100/1000BASE-T RJ45 auto-MDI/MDI-X port
VDSL Interface	1 x VDSL2 RJ11 female phone jack	1 x VDSL2 RJ11 female phone jack
DIP Switch & Functionality	4-position DIP switch: CO or CPE mode selectable Selectable G.INP and interleaved mode Selectable target Band plan Selectable target SNR mode	4-position DIP switch: CO or CPE mode selectable Selectable G.INP and interleaved mode Selectable target Band plan Selectable target SNR mode
Phone Port	Additional splitter for POTS connection	Additional splitter for POTS connection
Dimensions (W x D x H)	94 x 70 x 26 mm	94 x 70 x 26 mm
Weight	196g	184g
Enclosure	Metal	Metal
Power Requirements	DC 5V, 2A external power adapter	DC 5V, 2A external power adapter
Power Consumption/ Dissipation	Max. 2.5 watts/8.5BTU	Max. 3.6 watts/12.2BTU
LED	1 x power: Green 1 x 10/100/1000BASE-T LNK/ACT: Green 1 x VDSL: Green 1 x CO: Green 1 x CPE: Green	1 x Power: Green 1 x 1000BASE-T LNK/ACT: Green 1 x 100BASE-T LNK/ACK: Green 1 x VDSL: Green 1 x CO: Green 1 x CPE: Green
Regulatory Compliance	FCC Part 15 Class A, CE	FCC Part 15 Class A, CE
Operating Temperature	0~50 degrees C	0~50 degrees C

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Model Name	VC-231G (V2)	VC-231G (V1)
Product Outlook		
VDSL Version	VDSL2	VDSL2
Switch Specifications		
Switch Architecture	Store-and-Forward	Store-and-Forward
MAC Address Table	1K	2K
Flow Control	IEEE 802.3x pause frame for full duplex; back pressure for half duplex	IEEE 802.3x pause frame for full duplex; back pressure for half duplex
Jumbo Packet Size	1522 bytes	1522 bytes
Standards Conformance		
VDSL Compliance	VDSL-DMT ITU-T G.993.1 VDSL ITU-T G.997.1 ITU-T G.993.2 VDSL2 (Profile 17a/30a/35b support) ITU-T G.993.5 G.vectoring ITU-T G.998 G.INP	VDSL-DMT ITU-T G.993.1 VDSL ITU-T G.997.1 ITU-T G.993.2 VDSL2 (Profile 17a/30a support) ITU-T G.993.5 G.vectoring ITU-T G.998 G.INP
ADSL Compliance	Capable of ADSL2/2+ standard ITU G.992.3 G.dmt.bis ITU G.992.5 G.dmt.bisplus Data Rate: Up to 24Mbps	Capable of ADSL2/2+ standard ITU G.992.3 G.dmt.bis ITU G.992.5 G.dmt.bisplus Data Rate: Up to 24Mbps
Standards Compliance	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3x Full-duplex flow control IEEE 802.1p Class of Service ITU-T G.993.1 VDSL ITU-T G.997.1 ITU-T G.993.2 VDSL2 (Profile 17a/30a/35b support) ITU-T G.993.5 G.Vectoring & G.INP ITU-T G.998	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3x Full-duplex flow control IEEE 802.1p Class of Service ITU-T G.993.1 VDSL ITU-T G.997.1 ITU-T G.993.2 VDSL2 (Profile 17a/30a support) ITU-T G.993.5 G.vectoring & G.INP ITU-T G.998

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Model Name	VC-231G (V2)		VC-231G (V1)	
Product Outlook				
VDSL Version	VDSL2		VDSL2	
VDSL2 Performance*				
Profile (Downloadstream/Upstream)	Interleave, Asym, 8dB 200M → 260Mbps/56Mbps 400M → 180Mbps/53Mbps 600M → 111Mbps/48Mbps 800M → 68Mbps/39Mbps 1000M → 53Mbps/18Mbps 1200M → 42Mbps/8Mbps 1400M → 24Mbps/4Mbps	Interleave, Asym, 12dB 200M → 267Mbps/57Mbps 400M → 161Mbps/49Mbps 600M → 93Mbps/46Mbps 800M → 56Mbps/33Mbps 1000M → 47Mbps/14Mbps 1200M → 34Mbps/8Mbps 1400M → 30Mbps/6Mbps	Interleave, Asym, 8dB 200M → 190Mbps/87Mbps 400M → 161Mbps/60Mbps 600M → 118Mbps/36Mbps 800M → 59Mbps/24Mbps 1000M → 47Mbps/7Mbps 1200M → 39Mbps/4Mbps 1400M → 25Mbps/4Mbps	Interleave, Asym, 12dB 200M → 178Mbps/84Mbps 400M → 143Mbps/53Mbps 600M → 99Mbps/32Mbps 800M → 48Mbps/22Mbps 1000M → 41Mbps/5Mbps 1200M → 33Mbps/3Mbps 1400M → 23Mbps/3Mbps
	Interleave, Sym, 8dB 200M → 175Mbps/180Mbps 400M → 109Mbps/130Mbps 600M → 75Mbps/93Mbps 800M → 50Mbps/65Mbps 1000M → 37Mbps/33Mbps 1200M → 26Mbps/22Mbps 1400M → 20Mbps/13Mbps	Interleave, Sym, 12dB 200M → 165Mbps/172Mbps 400M → 107Mbps/115Mbps 600M → 65Mbps/82Mbps 800M → 43Mbps/55Mbps 1000M → 31Mbps/29Mbps 1200M → 21Mbps/16Mbps 1400M → 12Mbps/8Mbps	Interleave, Sym, 8dB 200M → 147Mbps/139Mbps 400M → 112Mbps/110Mbps 600M → 75Mbps/73Mbps 800M → 44Mbps/44Mbps 1000M → 26Mbps/25Mbps 1200M → 24Mbps/13Mbps 1400M → 20Mbps/9Mbps	Interleave, Sym, 12dB 200M → 135Mbps/127Mbps 400M → 96Mbps/96Mbps 600M → 61Mbps/59Mbps 800M → 40Mbps/40Mbps 1000M → 23Mbps/18Mbps 1200M → 22Mbps/9Mbps 1400M → 16Mbps/7Mbps
	G.INP, Asym, 8dB 200M → 316Mbps/60Mbps 400M → 185Mbps/56Mbps 600M → 110Mbps/51Mbps 800M → 68Mbps/38Mbps 1000M → 51Mbps/18Mbps 1200M → 39Mbps/10Mbps 1400M → 37Mbps/6Mbps	G.INP, Asym, 12dB 200M → 291Mbps/60Mbps 400M → 161Mbps/51Mbps 600M → 91Mbps/44Mbps 800M → 55Mbps/34Mbps 1000M → 47Mbps/15Mbps 1200M → 35Mbps/8Mbps 1400M → 32Mbps/2Mbps	G.INP, Asym, 8dB 200M → 197Mbps/101Mbps 400M → 168Mbps/65Mbps 600M → 109Mbps/34Mbps 800M → 65Mbps/20Mbps 1000M → 53Mbps/7Mbps 1200M → 44Mbps/4Mbps 1400M → 28Mbps/4Mbps	G.INP, Asym, 12dB 200M → 185Mbps/89Mbps 400M → 148Mbps/54Mbps 600M → 95Mbps/32Mbps 800M → 58Mbps/14Mbps 1000M → 46Mbps/6Mbps 1200M → 37Mbps/3Mbps 1400M → 25Mbps/3Mbps
	G.INP, Sym, 8dB 200M → 187Mbps/190Mbps 400M → 108Mbps/134Mbps 600M → 74Mbps/95Mbps 800M → 50Mbps/66Mbps 1000M → 34Mbps/35Mbps 1200M → 24Mbps/22Mbps 1400M → 21Mbps/13Mbps	G.INP, Sym, 12dB 200M → 174Mbps/184Mbps 400M → 99Mbps/119Mbps 600M → 63Mbps/84Mbps 800M → 40Mbps/55Mbps 1000M → 30Mbps/30Mbps 1200M → 22Mbps/18Mbps 1400M → 20Mbps/10Mbps	G.INP, Sym, 8dB 200M → 150Mbps/150Mbps 400M → 117Mbps/117Mbps 600M → 77Mbps/77Mbps 800M → 43Mbps/43Mbps 1000M → 29Mbps/28Mbps 1200M → 27Mbps/15Mbps 1400M → 22Mbps/10Mbps	G.INP, Sym, 12dB 200M → 140Mbps/140Mbps 400M → 97Mbps/97Mbps 600M → 60Mbps/60Mbps 800M → 35Mbps/35Mbps 1000M → 26Mbps/21Mbps 1200M → 25Mbps/11Mbps 1400M → 18Mbps/8Mbps
	Remarks	* The performance data above is for reference only. The actual data rate will vary on the quality of the copper wire and environmental factors.		