

# Planet 1-P 10/100/1000T 802.3at PoE+ Ethernet to VDSL2 Converter 10,1 Gbps 1-Port RJ-11 RJ-45 3 HE

**Artikelnummer** 996993858

**Gewicht** 1kg

**Länge** 1mm

**Breite** 1mm

**Höhe** 1mm



## Produktbeschreibung

Planet 1-P 10/100/1000T 802.3at PoE+ Ethernet to VDSL2 Converter 10,1 Gbps 1-Port RJ-11 RJ-45 3 HE

Produktbeschreibung:

1-port 10/100/1000BASE-T RJ45 with IEEE 802.3af/802.3at PoE Injector 1 RJ11, connector for xDSL port with VDSL2 or ADSL2+ connection Power over Ethernet: Complies with IEEE 802.3at/af PoE Plus end-span PSE Supports PoE power up to 30.8 watts per PoE port Provides DC 52V power over RJ45 Ethernet cable to PD with Ethernet port Auto-detects IEEE 802.3at/af equipment and protects devices from being damaged by incorrect installation Remote power feeding up to 100m IEEE 802.3at/af splitter devices compatible VDSL2 Features: VDSL2 stand-alone transceiver for simple bridge modem application Cost-effective bridge function to connect two Ethernet LANs Point-to-multipoint application: Compatible with PLANET and third-party VDSL2 IP DSLAM for last-mile solution Point-to-point application: LAN to LAN extension over phone wire Up to 150/150Mbps bandwidth (in G.INP, Sym, 8dB mode) Voice and data communication can be shared simultaneously based on the existing telephone wire with distance up to 1.4km ITU-T G.993.2 VDSL2 standard ITU-T G.993.5 G.Vectoring and G.INP DMT-based coding technology CO/CPE mode selectable via DIP switch Selectable target band plan (symmetric and asymmetric) and SNR margin Supports IEEE 802.1Q VLAN tag transparency Hardware and Installation: Compact size, wall-mountable design; ideal solution for space-limited locations Advantage of minimum installation time (Simply by Plug and Play) Metal case, good for heat sinking Supports extensive LED indicators for network diagnosis Additional POTS splitter to share voice and data Supports 6KV DC Ethernet ESD protection PoE Plus High Performance Gigabit Ethernet over Phone Wire Solution: The VC-231GP, a PLANET Long Reach Ethernet (LRE) solution, is

a Single-port Gigabit Ethernet-over-VDSL2 Converter with PoE injector function that is installed at a remote location connecting and injecting power to a PoE IP camera, PoE wireless AP, or PoE IP VoIP phone/door phone. It is integrated with three advanced technologies: VDSL2/ADSL2+ Digital Subscriber Line technologies Gigabit Ethernet IEEE 802.3at Power over Ethernet Plus The VC-231GP works with PLANET VDSL2 converters or multiple-channel VDSL2 switches to be able to simultaneously transmit Ethernet data over a distance of up to 1.4km (4,593ft) over phone wire. The VC-231GP forwards the Ethernet data and provides a maximum of 30-watt power output over an additional 100m UTP cable to a remote IP device complied with 802.3af/at PoE PD (powered device) for network deployment. Users have the ability to grow the structure of the current networks simply with even more flexibility. IEEE 802.3at Power over Ethernet Plus: The PoE in-line power following the IEEE 802.3at Power over Ethernet Plus standard makes the VC-231GP able to deliver Gigabit speed Ethernet data and up to 30 watts of power to remote PoE PDs over one Cat.5E/6 Ethernet cable. The VC-231GP provides more flexibility in power requirements for all kinds of PDs at affordable installation costs.

150/150Mbps Downstream/Upstream High Performance Gigabit Ethernet over Phone Wire: Via the latest VDSL2 technology, the VC-231GP offers selectable asymmetric/symmetric band profile capability. It works well with a pervasive telephone line network with a symmetric data rate of up to 150/150Mbps (G.INP, Sym, 8dB) over a distance of 300m and 21/11Mbps over a long distance of 1.4km. PLANET Gigabit Ethernet over VDSL2 series offers absolutely the fastest data transmission speed over the existing copper telephone lines without the need of rewiring. Versatile, Flexible and Easy Installation: PLANET Gigabit Ethernet-over-VDSL2 converters come with a plug-and-play design. The VC-231GP offers two operation modes, CPE and CO, for application -- CPE mode is used at client side and CO mode is at central side. The CPE or CO mode can be adjusted by using a built-in DIP switch. For point-to-point connection, the VC-231GP in the CPE mode and the VC-231G or VC-234G in the CO mode must be set up as one pair of converters to perform the connection. It gives administrators the ability to reply a fresh local Intranet in various locations by utilizing the original network structure without additional costs. Stable and Reliable DSL Data Connection: With the integrated support for the ITU-T's new G.993.5 Vectoring technology, the VC-231GP works in conjunction with vectoring-enabled

DSLAMs to remove crosstalk interference and improve maximum line bandwidth across the existing copper infrastructure.

Implementing with Existing Telephone System: Use the additional splitter from the package of the VC-231GP to share the existing phone line with POTS, thus replacing the existing copper wiring is not necessary. Just plug the VC-231GP with the additional splitter into the existing RJ11 telephone jack and a high-performance VDSL2 network can be connected.

It is ideal for use as an Ethernet extender to an existing Ethernet network. ADSL2+ Fallback: For those ISPs that still provide ADSL broadband service, the VC-231GP can support transmission rates up to 24Mbps downstream and 1Mbps upstream with the ADSL2+ technology.

The VC-231GP establishes a connection with ISP and can be also directly switched over to VDSL2 after the ISP network upgrade.

Technische Details:

Allgemein

Gerätetyp

Medienkonverter

Formfaktor

Geeignet für Wandmontage

Netzwerk

Anschlusstechnik

Kabelgebunden

Verdrahtungstyp

10Base-T, 100Base-TX, 1000Base-T, VDSL2

Data Link Protocol

10Mb LAN, 100Mb LAN, 1GbE, Ethernet over VDSL2

Größe der MAC-Adresstabelle

2000 Einträge

Maximaler Übertragungsbereich

1.4 km

Statusanzeiger

Stromversorgung, Link/Aktivität, VDSL

Leistungsmerkmale

Auto-Negotiation, Auto-Uplink (Auto MDI/MDI-X), Store-and-Forward, Halbduplex-Modus, Vollduplex-Modus, an DIN-Schiene montierbar, Metallgehäuse

Produktzertifizierungen

IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3at

Erweiterung/Konnektivität

Schnittstellen

1 x Ethernet 10Base-T/100Base-TX/1000Base-T (PoE+) - RJ-45 - 30 W

1 x VDSL2 - RJ-11

Stromversorgung

Power Over Ethernet (PoE)

PoE+

Abmessungen und Gewicht

Breite

9,7 cm

Tiefe

7 cm

Höhe

2,6 cm

Gewicht  
 206 g  
 Umgebungsbedingungen  
 Min Betriebstemperatur  
 0 °C  
 Max. Betriebstemperatur  
 50 °C  
 Zulässige Luftfeuchtigkeit im Betrieb  
 5 - 95%

## Produkteigenschaften

<b>Statusanzeiger</b>	Link/Aktivität, Stromversorgung, VDSL
<b>Farbkategorie</b>	Blau
<b>Produkttyp</b>	Medienkonverter
<b>Bereitgestellte Schnittstelle - Schnittstellen</b>	1 x VDSL2 - RJ-11, 1 x Ethernet 10Base-T/100Base-TX/1000Bas
<b>Netzwerk - Formfaktor</b>	Geeignet für Wandmontage
<b>Gewicht</b>	206 g
<b>Netzwerk - Anschlusstechnik</b>	Kabelgebunden
<b>Netzwerk - Typ</b>	Medienkonverter
<b>Größe der MAC-Adresstabelle</b>	2000 Einträge

## Weitere Bilder

