



GVT-2012

RJ45 to SFP Gigabit Media Converter, PoE PSE

1 Product Overview

This converter is used to convert one type media signal to other type equivalent that allows two type segments connect easily, efficiently and inexpensively. The converter provides Power over Ethernet power injector function which is able to drive one IEEE 802.3at / 802.3af compliant powered devices.

2 Features

- IEEE 802.3at, IEEE 802.3af PoE standard compliance
- Provides DC 48V power over RJ45 Ethernet cable to devices with Ethernet port
- Supports a maximum of 30 watts output power
- Support PD detection and PD classification
- Auto-negotiation support on RJ-45 port
- Auto-negotiation of duplex(HDX/FDX) on RJ-45 port
- Auto MDI/MDI-X support on RJ-45 port
- Supports jumbo frame size 9K bytes
- Status LED for easy monitoring of device status

3 Structure and Interface

3.1 Front Panel

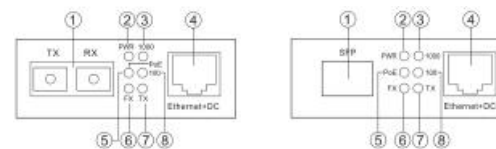


Figure 1: 1*FX+1*RJ45

Figure 2: 1*SFP+1*RJ45

3.2 Labeling Notes for Front Panel

No.	Identifier	Description
①	TX / RX / SFP	Optical port(1x9 or SFP)
②	PWR	Power status LED
③	1000	Ethernet port speed LED(1000Base-T)
④	Ethernet+DC	Ethernet+PoE port
⑤	PoE	PoE status LED
⑥	FX	Optical port connection status LED
⑦	TX	Ethernet port connection status LED
⑧	100	Ethernet port speed LED(100Base-T)

3.3 Rear Panel



Caution Before connecting the device to power supply, make sure that the power input meets the power requirement. If connected to an incorrect power input, the device may be damaged.

4 LEDs

LED	State	Description
PWR	Light	Power is connected and operates properly
	Off	Power is not connected or operates abnormally
PoE	Light	Indicate that the port is providing DC 48V to remote powered device
	Off	Indicate that the port is not providing DC 48V to remote powered device
FX	Light	Effective port connection
	Blinking	Ongoing network activities
	Off	No effective port connection
TX	Light	Effective port connection
	Blinking	Ongoing network activities
	Off	No effective port connection
1000	Light	1000M working state
	Blinking	Ongoing network activities
100	Light	100M working state
	Blinking	Ongoing network activities

5 PoE Function

Before your installation, it is recommended to check your network environment. If there is any IEEE 802.3at / 802.3af devices need to power on, the equipment can provide you a way to supply power for this Ethernet device conveniently and easily.



Figure 3: The equipment with PoE (PD) function

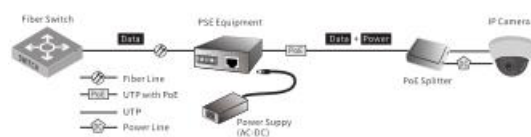


Figure 4: The equipment without PoE (PD) function

Note:
 Power Output: PoE 48V DC, Each PoE port max 30W
 PoE Power Supply type: End-Span
 Power Pin Assignment: 1/2(+), 3/6(-)

6 Basic Features and Specifications

Standard	IEEE802.3, IEEE802.3u/ab/z/x/af/at
Interface	Ethernet: RJ45 Fiber: 1x9(SC/ST/FC) or SFP
Data Rate	Ethernet: 10/100/1000Mbps Fiber: 100Mbps or 1000Mbps
Distance	Ethernet: 100m Fiber: 0~120km
Duplex mode	Full-Duplex / Half-Duplex
Cable	Ethernet: Cat 5/5e/6 UTP cable Fiber: Multi-mode: 50/125µm, 62.5/125µm Single-mode: 9/125
Power Supply	Input: 48V DC
Dimensions	94x70x26mm(Excluding the connector)
Weight	0.3kg
Temperature	-10°C~+70°C
Humidity	10%~90% (non-condensing)



Verklaring van Conformite

Wij, ondergetekende, **Digital Data Communications GmbH**
Adres Hohe Straße 1, 44139 Dortmund, Germany

certificeert en verklaart onder eigen verantwoordelijkheid dat het volgende product
Omschrijving Media Converter
Merk LevelOne
Identificatie GVT-2012
In overeenstemming is met de essentiële eisen van de EMC richtlijn 2004/108/EC,
gebaseerd op de volgende normen:

EU geharmoniseerde normen

EN 55022:2006+A1:2007
EN 61000-3-2:2006+A1:2009+A2:2009
EN 61000-3-3:2008
EN 55024:2010:1998+A1:2001+A2:2003

en voldoet daarom aan de essentiële eisen en bepalingen van de EMC en
laagspanningsrichtlijn.



Het symbool bevestigt dat dit product voldoet aan de bovengenoemde normen en
voorschriften.

Amanda(Shu-Wen) Chen
Name (Full Name)
2018/08/21
Date
Geschäftsführerin
Title-Department
Legal Signature



Declaration of Conformity

We, the undersigned, **Digital Data Communications GmbH**
Address Hohe Straße 1, 44139 Dortmund, Germany

Certify and declare under our sole responsibility that the following apparatus
Type Media Converter
Brandname LevelOne
Product GVT-2012

Conforms with the essential requirements of the EMC Directive
2004/108/EC, based on the following specifications applied:

EN 55022:2006+A1:2007
EN 61000-3-2:2006+A1:2009+A2:2009
EN 61000-3-3:2008
EN 55024:2010:1998+A1:2001+A2:2003

and therefore complies with the essential requirements and provisions of the EMC
Directive.



The symbol confirms that this product conforms to the above named standards and
regulations.

Amanda(Shu-Wen) Chen
Name (Full Name)
2018/08/21
Date
Geschäftsführerin
Title-Department
Legal Signature



Declaración de Conformidad

El fabricante **Digital Data Communications GmbH**
Dirección: Hohe Straße 1, 44139 Dortmund, Germany

Declara mediante este documento que el producto
Tipo Media Converter
Producto GVT-2012
Marca LevelOne

Cumple con las siguientes directivas:
• Directiva EMC 2004/108/EC

El producto cumple asimismo con las siguientes normas:

EN 55022:2006+A1:2007
EN 61000-3-2:2006+A1:2009+A2:2009
EN 61000-3-3:2008
EN 55024:2010:1998+A1:2001+A2:2003



Este producto ha sido diseñado para su uso sólo en interiores.
La marca CE certifica que este producto se adecua a las especificaciones y regulaciones
arriba mencionadas.

Este producto es adecuado para todos los países de la UE.

Amanda(Shu-Wen) Chen
Name (Full Name)
2018/08/21
Date
Geschäftsführerin
Title-Department
Legal Signature



Declaração de Conformidade

O fabricante **Digital Data Communications GmbH**
Morada Hohe Straße 1, 44139 Dortmund, Germany

Declara que o produto
Tipo Media Converter
Produto GVT-2012

Cumpra as seguintes directivas:
2004/108/EC

Os seguintes standards foram consultados para avaliar a conformidade:

EN 55022:2006+A1:2007
EN 61000-3-2:2006+A1:2009+A2:2009
EN 61000-3-3:2008
EN 55024:2010:1998+A1:2001+A2:2003



O símbolo confirma que este produto está conforme os padrões e regulamentações acima
referidos.

Amanda(Shu-Wen) Chen
Name (Full Name)
2018/08/21
Date
Geschäftsführerin
Title-Department
Legal Signature



Konformitätserklärung

Der Hersteller **Digital Data Communications GmbH**
Adresse Hohe Straße 1, 44139 Dortmund, Germany

erklärt hiermit, dass das Produkt
Typ Media Converter
Produkt GVT-2012

Markenname LevelOne

den folgenden Richtlinien entspricht:
2004/108/EC

Für die Beurteilung der Einhaltung der Konformität angewandte Normen:

EN 55022:2006+A1:2007
EN 61000-3-2:2006+A1:2009+A2:2009
EN 61000-3-3:2008
EN 55024:2010:1998+A1:2001+A2:2003



Das Zeichen bestätigt, dass dieses Produkt oben aufgeführte Normen und Bestimmungen
erfüllt.

Amanda(Shu-Wen) Chen
Name (Full Name)
2018/08/21
Date
Geschäftsführerin
Title-Department
Legal Signature



Déclaration de Conformité

Nous, les soussignés **Digital Data Communications GmbH**
Adresse Hohe Straße 1, 44139 Dortmund, Germany

Certifie et déclare sous sa seule responsabilité que le produit suivant
Type Media Converter
Produit GVT-2012

Enseigne LevelOne

En conformité avec les exigences essentielles de la directive 2004/108/EC
sur la base des normes suivantes:

Les normes harmonisées d'EU

EN 55022:2006+A1:2007
EN 61000-3-2:2006+A1:2009+A2:2009
EN 61000-3-3:2008
EN 55024:2010:1998+A1:2001+A2:2003



Le symbole confirme que ce produit répond aux normes et règlements ci-dessus ...

Amanda(Shu-Wen) Chen
Name (Full Name)
2018/08/21
Date
Geschäftsführerin
Title-Department
Legal Signature



Dichiarazione di conformità

Il fabbricante **Digital Data Communications GmbH**
Indirizzo Hohe Straße 1, 44139 Dortmund, Germany

Dichiara qui di seguito che il prodotto
Tipo Media Converter
Prodotto GVT-2012

Nome marca LevelOne

Risulta in conformità a quanto previsto dalle seguenti direttive comunitarie:
2004/108/EC

Sono stati applicati i seguenti standard per assicurarne la conformità:

EN 55022:2006+A1:2007
EN 61000-3-2:2006+A1:2009+A2:2009
EN 61000-3-3:2008
EN 55024:2010:1998+A1:2001+A2:2003



Il simbolo CE conferma che questo prodotto è conforme ai suddetti standard e
regolamentazioni.

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Title-Department
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