Industrial Gigabit PoE++ Splitter, 802.3bt

With 1 x 10/100/1000M TX 95W for PoE In + 1 x 10/100/1000M TX for Data Out,
Selectable 12VDC, 16VDC, 24VDC or 48VDC output voltage

User Manual
DN-651111

Introduction

The DIGITUS® Industrial Gigabit PoE Splitter is designed for harsh environments, in which it is exposed to moisture, temperature variations and vibrations. With a temperature range of -40°C to 75°C, the Industrial Gigabit PoE Splitter can be used under the most adverse conditions. It ensures a constant availability in highly sensitive areas such as transport, production, traffic and safety monitoring. The simple plug-and-play system allows a fast integration of the Industrial Gigabit PoE Splitter into the respective environment. The DIGITUS® DN-651111 is an unmanaged Plug & Play Industrial Gigabit PoE Splitter in a rugged IP30 protected aluminum housing. The Gigabit connectivity, as well as the selectable voltage that can be provided for non-PoE compatible devices, make the Industrial Gigabit PoE Splitter a flexible, cost-effective solution for the industrial environment. The supply voltage can be selected in the range of 12VDC, 16VDC, 24VDC or 48VDC. The IEEE802.3bt standard allows PoE feed of up to 95W. Two parallel current outputs are provided for terminal devices.

Specification

Ethernet Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet
PoE Standard	IEEE802.3af for PoE IEEE802.3at for PoE+ 4 Pair PoE for ultra-high power
Network Connector (RJ-45)	1 x Gigabit TX port for PoE IN 1 x Gigabit TX for Data OUT
Network Cable	UTP/STP Cat.5e or above Cable EIA/TIA-568 10-ohm (100m)
Protocol	CSMA/CD
LED	PWR (Yellow): ON－Power is detected OFF－Power is not detected
DIP Switch 〈DIP1/DIP2〉	(OFF/OFF) 48VDC (default) (ON/OFF) 24VDC (OFF/ON) 16VDC (ON/ON) 12VDC
Overload current protection	Present
Power Consumption	7 Watts
PoE power input	15W/30W/60W/95W PoE power input
Power Output 〈V1, V2〉	Power output V1, V2 (Output Voltage/Output Current) 48VDC / 1A 24VDC / 2.3A 16VDC / 2.3A 12VDC / 2.3A
Removable Terminal Block	Provide 4 pin terminal block for power output Wire range: 0.34mm^2 to 2.5mm^2 Solid wire (AWG):12-24/14-22 Stranded wire(AWG): 12-24/14-22 Torque:5lb-In/0.5Nm/0.56Nm Wire Strip length: 7-8mm
Operating Temperature	-40°C ~75°C fully tested.
Operating Humidity	5% to 95% (Non-condensing)
Storage Temperature	-40°C~85°C
MTBF (mean time between failure)	>500,000 hrs (MIL-HDBK-217F) at 25°C
Housing	Rugged Aluminum, IP30 Protection
Case Dimension (L x W x D)	103.5 x 32 x 81.5 mm (L x W x D)
Installation mounting	Din-Rail and Wall Mounting

Package Content

The following items are shipped with this device:

- Din-Rail Mounted * 1
- Wall-Mounted * 2
- Screws * 4
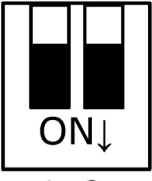- 4 pin Terminal Block * 1

Housing Dimension (mm)
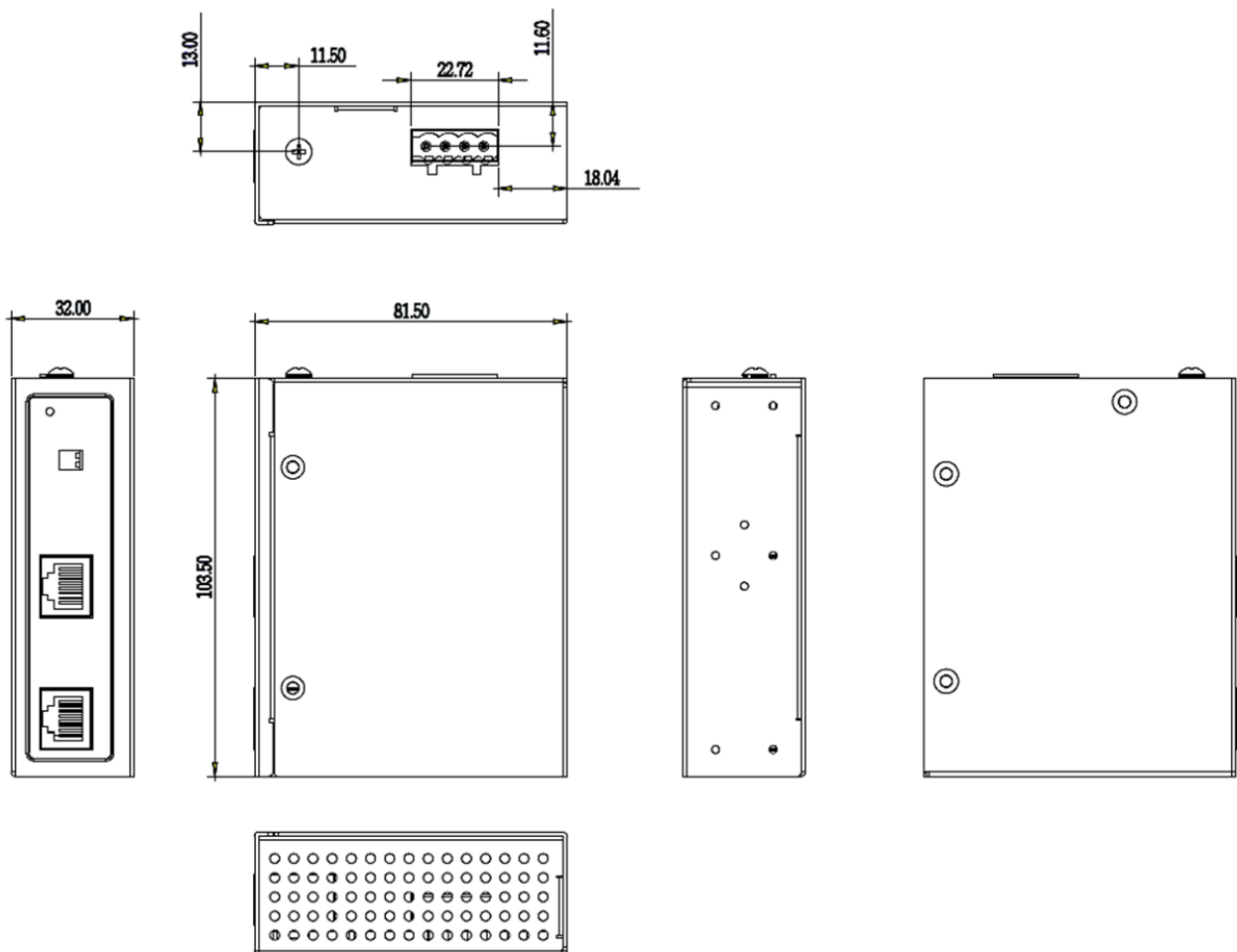
Dip switch

DC voltage output can be adjusted by dip switches as shown below. This unit is capable to deliver 12/16/24/48 VDC.

Table shown as below is the features of these Dip-Switch functions. You may change the Dip-Switch setting to your desired environment.

WARNING – Always SHUTS OFF power source to adjust the Dip Switch

|	DIP1	DIP2	Output voltage / Output current
	OFF	OFF	48VDC / 1A (default)
	ON	OFF	24VDC / 2.3A
ON↓ 1 2	OFF	ON	16VDC / 2.3A
	ON	ON	12VDC / 2.3A

Power connection

This unit provides 4 pin terminal block with 2 sets of "+V1-" and "+V2-". These V1+ and V2+ are in the same node. V1- and V2- are also in the same node. This means you may connect "+" through either V1+ or V2+ since they are in the same node. Same is the "-" from V1- or V2-.

It can be operated using 15W~95W PoE power input source. Always Make sure your input voltage is within this supported voltage range.

To make power connection – Follow the printed polarity for V+, V- and Ground. Connect positive wire to V+, connect negative wire to V- and also connect neutral wire to ground.

+V1- is for power output one connection.
+V2- is for power output two connection, this unit supports two power output.
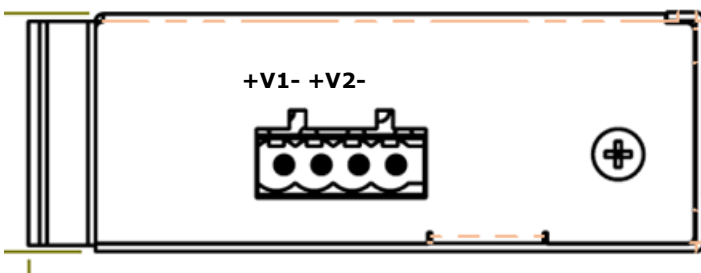
Connecting procedure

STEP 1 –
Take out 4 pin terminal block located in the included mounting kit package

STEP 2 –
Connect power wire to +V1- or +V2- with correct polarity

STEP 3 –
Plug into terminal block socket shown above. Polarity needs to match V+ and V-.

WARNING -- Always SHUTS OFF power source to connect power wire.

This is a Class A product. In home environment, this product may cause radio interference. In this case, the user may be required to take appropriate measures.

Hereby Assmann Electronic GmbH, declares that the Declaration of Conformity is part of the shipping content. If the Declaration of Conformity is missing, you can request it by post under the below mentioned manufacturer address.

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