



# INDUSTRIAL 5-PORT GIGABIT PoE EXTENDER



## Quick Installation Guide

DN-651143

# 1 Product Introduction

This PoE extender is equipped with 1 PD input to power up 4 Giga PSE output. It can be used as a standalone PD/PSE PoE injector or to extend PoE distance. It can be cascaded up to 4 units or 500 meters to deliver high power for your end device.

## 2 Features

- 5-Port 10/100/1000BASE-T Gigabit RJ45 Interface
- Thunder, Lightning resistant
- Built-in hardened PoE and PD controller
- Can be cascaded up to 4 units or 500 meters
- Works in extreme environment -40°C to +75°C
- Data Processing: Store and Forward
- Flow Control: IEEE 802.3x Flow Control and Back Pressure
- Jumbo Frame: 9KB
- Auto MDI/MDI-X function, Full/Half duplex

## 3 Package Contents

- 1x PoE Extender
- 1x Mounting Material
- 1x Manual

## 4 Hardware Specifications

IEEE Standard	IEEE 802.3 10Base-T Ethernet, IEEE 802.3u 100Base-TX Fast Ethernet, IEEE 802.3ab 1000Base-T Gigabit Ethernet, IEEE 802.3x Flow Control and Back Pressure, IEEE 802.3af PoE, IEEE 802.3at PoE+, IEEE 802.3bt PoE++
Switch Architecture	Back-plane (Switching Fabric): 10Gbps
Data Processing	Store and Forward
Flow Control	IEEE 802.3x Flow Control and Back Pressure
Jumbo Frame	9KB
MAC address Table Size	2K
Packet Buffer Size	1Mbits
Network Connector	5x RJ-45 10/100/1000M auto negotiation, 1x RJ-45 10/100/1000M with IEEE802.3bt In, 4x RJ-45 10/100/1000M with IEEE802.3at Out
Network Cable	UTP/STP Cat.5e or above Cable, EIA/TIA-568 (100m)
Protocol	CSMA/CD
Reserve polarity protection	Present

Overload current protection	Present
Power Consumption	3.9W without PoE load
PD power input	30W/60W/90W
PoE Power	Maximum total PSE power output 60W
Operating Temperature	-40°C to 75°C
Operating Humidity	5% to 95% (non-condensing)
Storage Temperature	-40°C to 85°C
Housing	Rugged Metal, IP30
Case Dimension (L x W x D)	103.5 x 32 x 81.5 mm
Installation mounting	DIN Rail Mount or Wall Mount

## 5 Operating instruction:

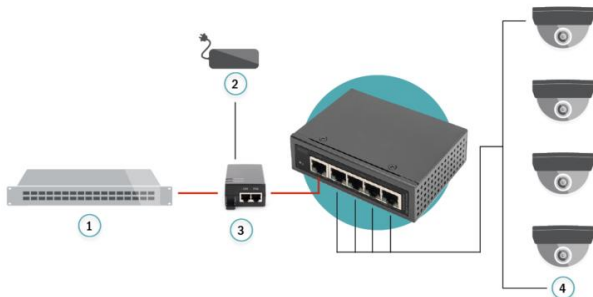
- Connect PoE cable into port 5 (Power input 30W/60W/90W)
- Can connect to max. 4 PoE powered devices (PD) from port 1 to port 4
- Can cascade another DN-651143 up to 4 units or 500m

## 6 LED indicator



1	bt (Green) ON–PoE IEEE 802.3bt is detected. OFF–PoE IEEE 802.3bt is not detected.
2	LNK/ACT (Green) ON–TX port is detected. Flashing–TX data is transmitting/receiving. PWR (Amber) ON–Power is detected. OFF–Power is not detected.
3	LNK/ACT (Green) ON–TX port is detected. Flashing–TX data is transmitting/receiving. PoE (Amber) ON–PSE is activated, and PD is detected

## 7 Connecting the PoE Extender



1	Network Switch	2	48 VDC
3	PoE Injector	4	PoE IP Camera

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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