

# **OGEC-110P**

## **Quick Installation Guide**

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PoE Media Converter

Edition 2.0, Feb 2023

### **Technical Support Contact Information**

[www.hoatech.com.tw/contact.php](http://www.hoatech.com.tw/contact.php)



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## Overview

The OGEC-110P is a 10/100/1000Base-T to 1000Base-SX/LX non-managed PoE + media converter that enables you to extend your network to longer distances. With full gigabit port and compact design, OGEC-110P not only increases the speed of your network server, but also deliver both up to 30W of power output and high data transmission speed to Power Devices.

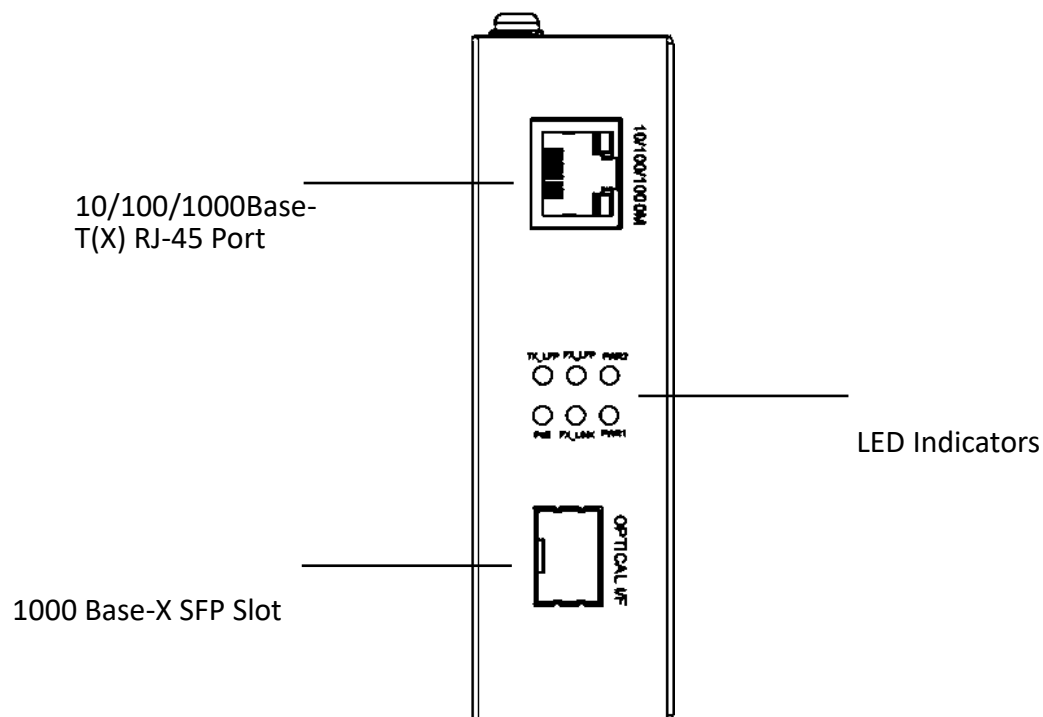
## Package Checklist

- OGEC-110P Media Converter
- Removable 5-pin Terminal Block
- Quick Installation Guide (printed)

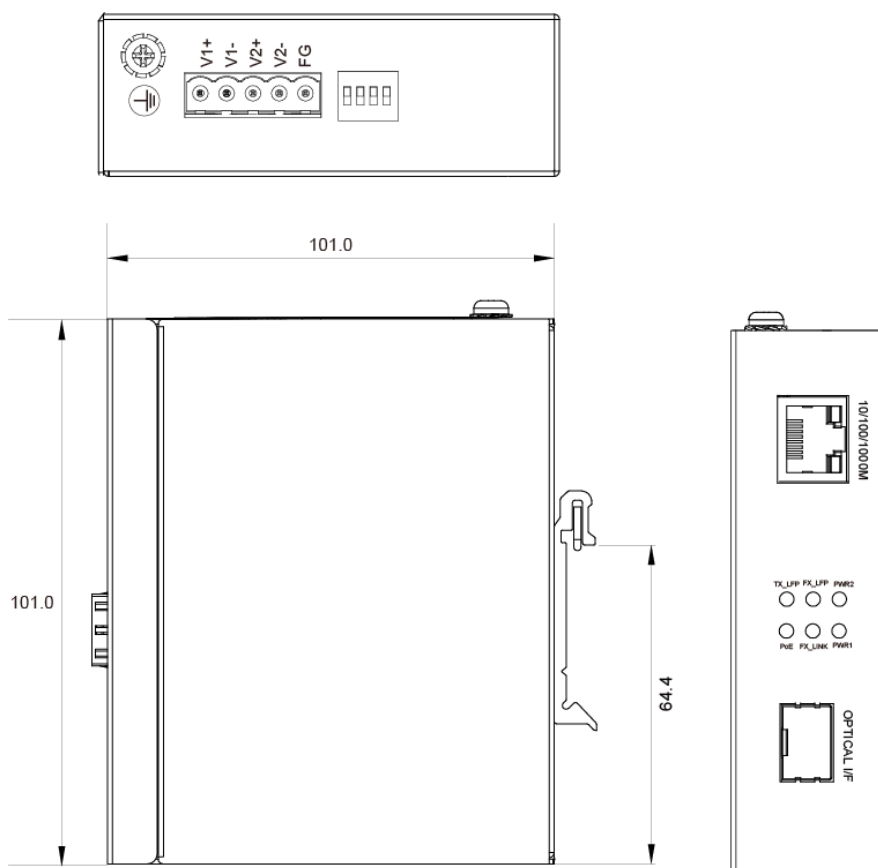
## Features

- PoE Support up to 15.4/30W
- Auto-negotiation supported
- Auto-MDI/MDIX on copper port
- Plug and play
- Hot Swappable
- Layer 2 line switching fabric
- Link fault pass through (LFP)
- -40 °C ~ 75°C operating temperature

## Panel Layout of the OGEC-110P



## Dimension Diagram (Unit: mm)



## Grounding the PoE Media Converter

Grounding and wire routing help limit the effects of noise due to electromagnetic interference (EMI). Run the ground connection from the ground screw to the grounding surface prior to connecting devices.

### ATTENTION

This product is intended to be mounted to a well-grounded mounting surface such as a metal panel.

## DIP Switch Setting

Pin	Mode	OFF (Default)	ON
1	PoE Output	Enable	Disable
2	Link Transparency	Disable	Enable
3	PoE Mode	End-span (Type-A)	Mid-span (Type-B)
4	Jumbo Frame(9KB)	Disable	Enable

## LED Indicators

The front/rear panel of media converter contains several LED indicators. The function of each LED is described in the table below.

LED	Color	State	Description
PWR 1	Green	On	Power On
		Off	Power Off
PWR 2	Green	On	Power On
		Off	Power Off
FX_Link	Green	On	Link is established and no traffic is detected
		Off	Data is not transmitting
PoE	Green	Blinking/Flash	PoE Fault (Over-load or short)
		On	PoE normal working
		Off	PoE No Power output
FX_LFP	Red	On	The specified interface is forced to link down cause by LFP
		Off	The specified interface is not forced to link down cause by LFP
TX_LFP	Red	On	The specified interface is forced to link down cause by LFP
		Off	The specified interface is not forced to link down cause by LFP
LAN	Bi-color (Speed)	Off	10Mbps connection
		Orange	100Mbps connection
		Green	1 Gbps connection
	Green (Link/Act)	Off	No link
		On	Linked
		Blinking	Data is transmitting or receiving

## Specifications

Standard		IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3z 1000Base-X Gigabit Ethernet IEEE802.3x traffic and back pressure IEEE802.3 af/at Power over Ethernet/Power over Ethernet Plus	
LAN		10/100/1000Base-T(X)	
Jumbo Frame Size		9Kbytes	
Transmission Distance	Ethernet	100m	
	Fiber	SFP	Depends on the SFP selection
Transmission Speed	Ethernet	10/100/1000Mbps	
	Fiber	1000Mbps	
Auto MDI/MDIX	Yes (automatic detection of straight or crossover twisted pair cables)		
Connectors	1 x RJ-45 1 x SFP slot		
PoE Power Output	15.4/30W		
PoE Power Supply Mode	End-span / Mid-Span		
PoE Pin Assignment	End-span: 1/2(+), 3/6(-) / Mid-Span: 4/5(+), 7/8(-)		
LED Indicators	Power: PWR1/PWR 2 (Green) Fiber Link: FX_LINK (Green) PoE Status: PoE (Green/Blinking) Fiber LFP Alarm: FX_LFP(Red) Ethernet LFP Alarm: TX_LFP(Red) RJ-45 Port: Speed 10M(Off), 100M(Orange), 1000M (Green)		
DIP Switch	PoE Output: Enable/Disable Link Fault Pass Through (LFP): Enable/Disable Power Supply Mode: End-Span/Mid-Span Jumbo Frame: Enable/Disable		
Power Input	Unit accepts 44 to 57VDC		
Power Consumption	3.5W		
Dimensions (W x D x H)	101 x 101 x 32 mm		
Weight	357g		
Enclosure	Metal shell		
Installation	Din-rail / wall-mounted		
Power Reverse	Support		
Overload Current	Support		
Operating temperature	-40 °C ~ 75°C		

Storage temperature	-40 °C ~ 85°C
Operating humidity	5 ~ 95% (non-condensing)
Storage humidity	0 ~ 95% (non-condensing)
MTBF	>50000 Hours
Safety	EN60950-1, IEC60950-1
Certification Compliance	CE, FCC
EMC	EN61000-4-5
RoHS	Yes