

PCI Express Power-over-Ethernet Card,  
6-port 1000BASE-T, 802.3at/bt Compliant, RoHS

# GPOE-6P

## Quick Installation Guide

Version 1.0

June 3, 2020

### Package List

GPOE-6P package includes the following items:

- 1 x GPOE-6P PCIe Power-over-Ethernet card
- 1 x QIG (Quick Installation Guide)



©2020 Copyright by IEI Integration Corp.  
All rights reserved.

## Specifications

- Interface:  
PCI Express® x4
- Ethernet:  
Intel® I211AT controller  
9kB jumbo frame
- Power Input:  
12 V ~ 24 V DC input  
1 x Internal DC input connector (2x3 pin)
- PoE Capability:  
IEEE 802.3at / IEEE 802.3bt  
30 W / 90 W DC per port
- PCIe Switch IC: ASM1812
- Software: IEI GPOE Management Tools (for Windows/Linux)
- Operating Temperature: 0°C ~ 60°C
- Storage Temperature: -10°C ~ 70°C
- Operating Humidity: 5% ~95%, non-condensing
- Dimensions: 169.44 mm x 106.65 mm

All the drivers and utilities for the GPOE-6P are available on IEI Resource Download Center. Type GPOE-6P and press Enter to find all the relevant software, utilities, and documentation. To install software from the downloaded ISO file, mount the file as a virtual drive to view its content.

IEI Resource Download Center

<https://download.ieiworld.com>

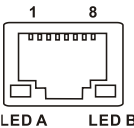


## Ordering Information

- **GPOE-6P-R10:**  
PCI Express Power-over-Ethernet card, 6-port 1000BASE-T, 802.3at/bt compliant, and RoHS
- **32102-045800-100-RS:**  
Power cable, 300 mm, p=4.2, RoHS
- **63040-010090-120-RS:**  
Power adapter, FSP090-DIEBN2, Vin:90~264VAC, 90W, plug=7.5mm, cable=1500mm, Erp (no load 0.5W), Vout:19VDC, Φ2.1/Φ5.5/lock, CCL, RoHS
- **63040-010065-200-RS:**  
Power adapter, FSP,FSP065-REBN2, Vin:90~264VAC, 65W, plug=7.5mm, cable=1500mm, Erp (no load 0.1W), Vout:19VDC, Φ2.1/Φ5.5/lock, CCL, RoHS

## Connector Pinouts

PLAN1: External RJ-45 LAN connectors			
Pin	Description	Pin	Description
1	MDIA0+	2	MDIA0-
3	MDIA1+	4	MDIA2+
5	MDIA2-	6	MDIA1-
7	MDIA3+	8	MDIA3-
LED	Description	LED	Description
A	Off: 10 Mb/s Green: 100 Mb/s Orange: 1000 Mb/s	B	On: linked Blinking: data is being sent/received



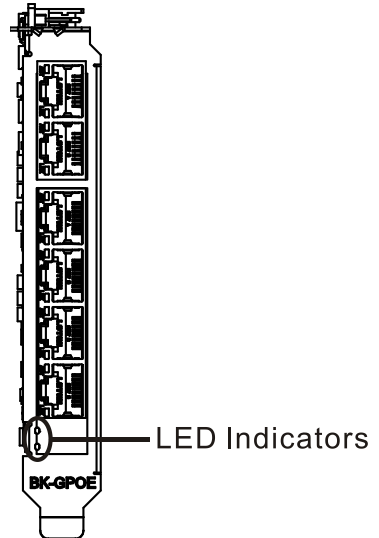
The diagram shows a top-down view of an RJ-45 connector. The top edge has eight pins, with pin 1 on the left and pin 8 on the right. Below the connector, there are two LED indicators labeled LED A and LED B.

CN1: Internal power input connector (6-pin), p=4.2 mm					
Pin	Description	Pin	Description		
1	Power in	4	GND		
2	Power in	5	GND		
3	Power in	6	GND		

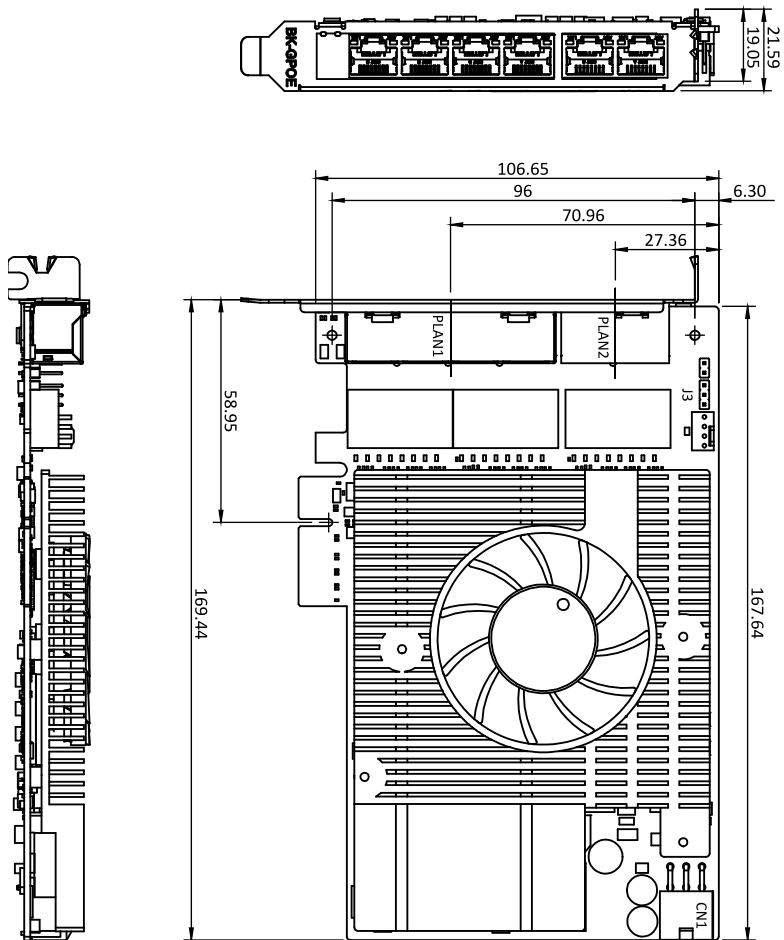
## LED Indicators

When installing multiple GPOE-6P cards in one system, the ID of each card is indicated by the two LED indicators on the I/O panel as described below.

LED	Card ID
● Red ● Red	Card 1
● Red ● Green	Card 2
● Green ● Red	Card 3
● Green ● Green	Card 4
● Red ○ Off	Card 5
○ Off ● Green	Card 6
○ Off ● Red	Card 7
● Green ○ Off	Card 8



# Board Layout: Jumper and Connector Locations



(Unit: mm)