



PT-PCGI-BT

# Gigabit PoE to USB-C Adapter

## Overview

PT-PCGI-BT is a gigabit PoE to USB-C power and data all-in-one adapter. It allows for the power and data obtained from an IEEE802.3bt PoE injector or PoE switch to convert to USB-C PD. Support your USB-C device has stable wired network connectivity.

It is enclosed in a high-impact black metal housing with mounting holes on both sides for easy installation. Equipped with some thermal pads, good heat dissipation, suitable for industrial environments with the working temperature from -20 degrees Celsius to +50 degrees Celsius. A fixed hole on the top of the USB-C port to 100% fixed the USB-C cable connector not loose. The device supports a safe voltage input range of 44 to 57 Vdc and provides a maximum power output of 60W along with 10/100/1000Mbps network data. The effective distance for PoE transmission via Cat5e/Cat6 Ethernet cable is 100 meters.

It is compatible with most USB-C devices in the market. Such as tablets, laptops, cellphones, small PCs/Next Unit of Computing (NUC) interactive information kiosks, smart monitors, cameras, and so on. Many bands of USB-C devices were tested, such as Samsung Galaxy Tablets, Microsoft Surface, Apple iPads, Android tablets/smartphones, some Chrome books, and other USB-C-powered devices consuming up to 60W.

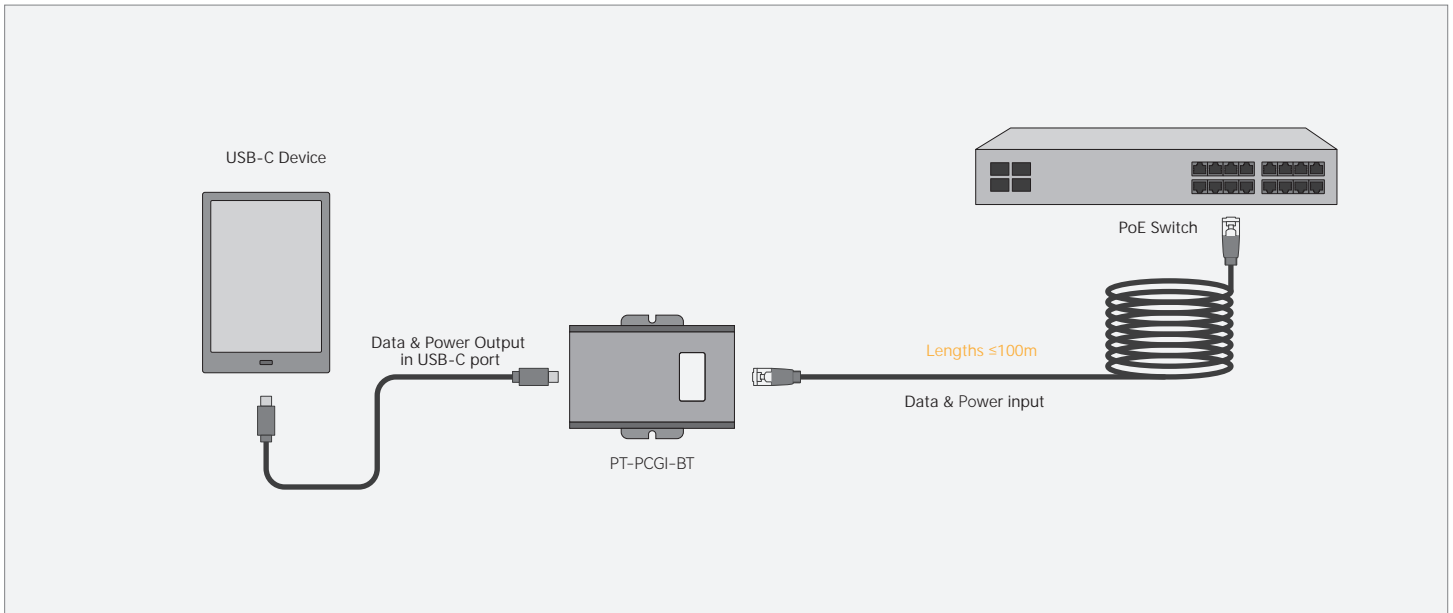
When the PoE power is disconnected, the unit of PT-PCGI-BT will get power from your USB-C device and can work as an Ethernet signal converter to continue supporting data transfer.



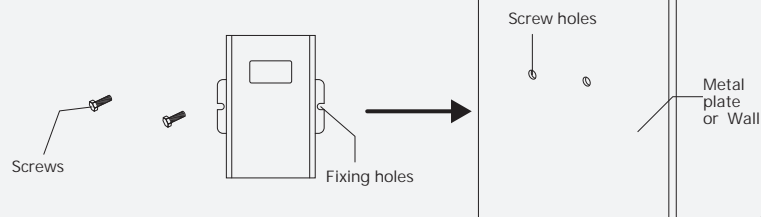
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## Product Working Diagram



### Installation



### Specification

Standard	IEEE802.3i 10Base-T Ethernet
	IEEE802.3u 100Base-Tx Fast Ethernet
	IEEE802.3ab 1000Base-T Gigabit Ethernet
	USB Standard : USB 3.0
Output & Input	Operating Voltage : 44-57Vdc IEEE802.3bt
	Power pins : 4/5(+),7/8(-) & 3/6(+),1/2(-)
	Output : 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3A
	Data rates : 10 / 100 / 1000Mbps
Operating Environment	Operating Temp. : -20°C to 55°C
	Operating Humidity : 20% to 80% , non-condensation
	Operating Altitude : Up to 2000 meters
	Storage Temp. : -20°C to 70°C
	Storage Humidity : 10% to 90% , non-condensation
Mechanical Characteristics	Case : Metal ( Black )
	IP Rated : IP40
	Dimensions : 98.7mm X 73.72mm X 19mm
	Weight : 167g