POE-STG

10/100/1000M Gigabit 802.3at to 24W PoE / DC Passive PoE Adapter

Quick Installation Guide

Introduction

Cerio's POE-STG adapter effectively **allows any PoE device to become compliant with 44~57V 802.3at PoE standards**. This conveniently **standardizes power management** of your system by introducing compatibility of passive PoE devices with standard 802.3at switches. POE-STG's hardware design includes **two 10/100/1000Mbps gigabit Ethernet ports**, and one **DC power input jack**.

Package Contents

Before using POE-STG, please verify your package that contains the following items:

- **POE-STG Main Unit x 1**
- **Power Adapter x 1**
- **Warranty Card x 1**
- **Quick Installation Guide x 1**

Note: If any of these items is found missing or damaged, please contact your local supplier for replacement.

Product Features

- Transform all Cerio Access Points into 802.3at/af compatible devices
- Supports dual functionality as a 24W PoE Adapter or a 24W PoE Injector
- Up to 100 meters (328 feet) application

Feature Details

802.3af/at Compatibility

POE-STG is perfect for transforming Cerio access points that use a passive PoE design into 802.3at compliant devices. Other applications also include deploying passive PoE IP cameras with standard 802.3at PoE switches.
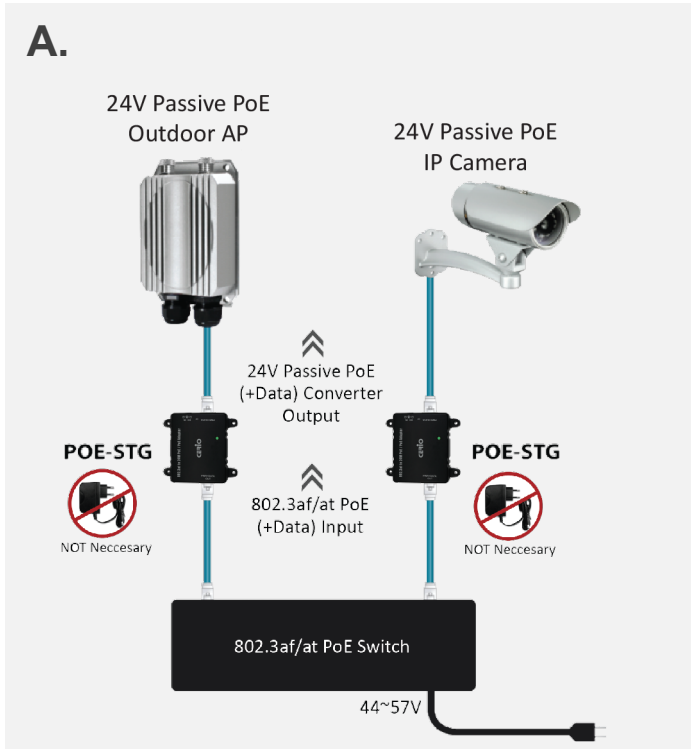
Dual Functionality

Users can optionally select whether to use a PoE PSE or DC power adapter as the power source, with both methods providing passive PoE output for APs and other PoE devices.

Long Distance Application

POE-STG can provide both gigabit data and power for distances of up to 100 meters (328 feet) from the power source when using CAT 6 cabling.
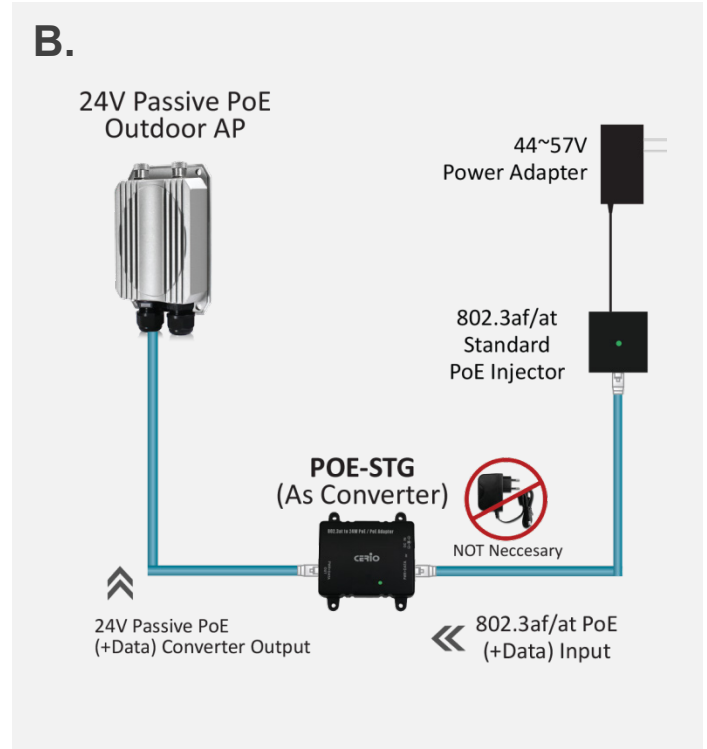

Wall Mount Holes
Passive PoE+ Data Output
24W DC Power Input
802.3at PoE + Data Input
Power Status

POE-STG as Passive PoE Adapter with PoE Switch

Notice: POE-STG can be used with any 802.3af/at PoE switch to convert standard PoE power to Passive PoE. The adapter uses standard 802.3af/at power input method. When connected to a PoE switch, POE-STG does not need to use the DC power input jack.
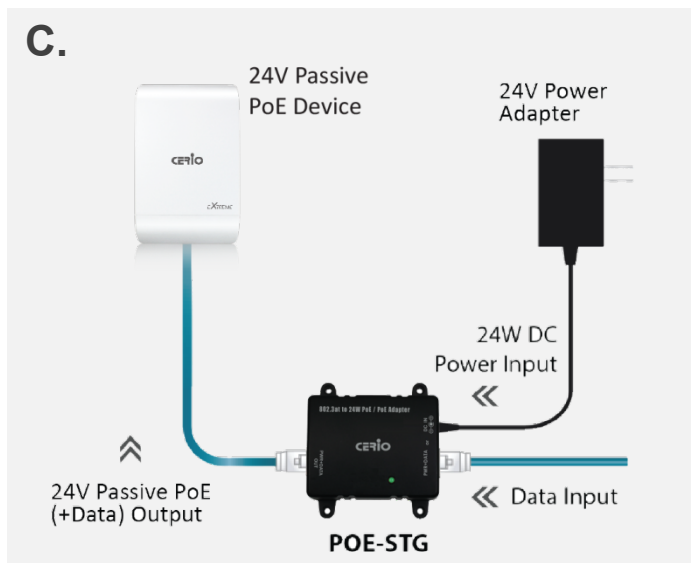

POE-STG as Passive PoE Adapter with PoE Injector

Notice: POE-STG can be used with any 802.3af/at PoE injector to convert standard PoE power to Passive PoE. The adapter uses standard 802.3af/at power input method. When connected to a PoE injector, POE-STG does not need to use the DC power input jack.

-STG as Passive 24V PoE Injector

Notice: Users must use the bundled 24W power adapter to avoid complications when using this device. Using foreign power adapters can cause device complications and will not be covered by product warranty.

Notice: When POE-STG is connected to two power source devices (DC Power input and PoE-in Ethernet input), the device will automatically prioritize the DC power over the PoE power source.

Technical Specifications

Network Standards	IEEE802.3 10BASE-T
	IEEE802.3u 100BASE-TX
	IEEE 802.3ab 1000BASE-T
	IEEE802.3at Power over Ethernet Plus
	IEEE802.3af Power over Ethernet
Network Data Transfer Rate	Ethernet : 10Mbps (Half-duplex) , 20Mbps(Full-duplex)
	Fast Ethernet : 100Mbps(Half-duplex) , 200Mbps (Full-duplex)
	Giga Ethernet : 1000Mbps Half-duplex),2000Mbps(Full-duplex)
Data	PIN 1/2,3/6 & 4/5+ 7/8
Power Requirement	802.3af/at 44V~57V POE+ Ethernet source (**Used as a Gigabit Passive PoE Converter to Midspan B-Type**)
	DC24V / 48 / 52V / 56V Voltage **(Used as a Gigabit DC Injector to Midspan B-Type)**
PoE Output Voltage	**Used as Gigabit converter:** 24V, 24watt (Max)**. (Gigabit Proprietary Passive PoE)**
	Used as Gigabit DC injector: 12V~56V, 56Watt (Max)**. PoE Wattage based on DC power source (Gigabit Proprietary Passive PoE)**
PoE Output Current	1A (Max.)
Operating Temperature	0° to 60° C