CS-1005G-PD

**5 Port 10/100/1000M AT Extender/
Power failover Gigabit Switch**

EAN Code : 4712757159707

Introduction

The **CERIO CS-1005G-PD** is a powerful and supports IEEE 802.3af/at standard high-performance Gigabit Extender switch. It is ideal to extend the Ethernet network range beyond 100m, delivering data to network devices more than 100m to meet long-distance network data transmission applications. It's a suitable product to achieve a more flexible network requirement.
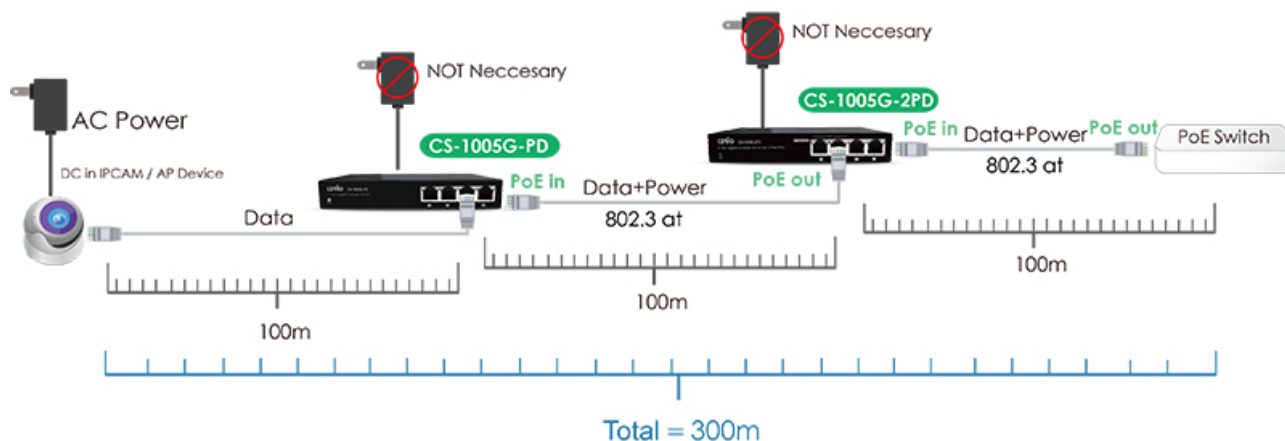
Moreover, The **CERIO CS-1005G-PD** supports **dual power receiving mode for PoE (PD) In and DC In.** User can select either one to supply power or it can choice dual power supply **as power backup function for the device. (Power failover)**

The **CS-1005G-PD** supports 5 ports 10/100/1000Mbps auto-negotiation function. It provides an easy way to migrate Gigabit network without pain. By integrating both data transmitting cable and power supply, the hassle of constructing your network can be eliminated, allowing you to easily connect your wired LAN network. It is ideal for micro-segmenting large networks into smaller networks, connecting subnets for improved performance, and enabling the bandwidth demanded for multimedia and imaging applications. Over current protection and circuit shorting protection are also supported to ensure the safety.
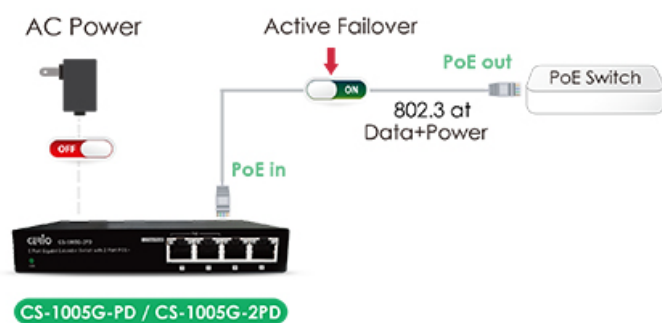
Highlight Features

- Complying with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3af PoE ,IEEE 802.3at PoE+
- 5 Ports 10/100/1000Mbps Auto-Negotiation Gigabit Switch, including 1 Port PoE(PD) function, complying with IEEE 802.3af/at standard
- Supports dual power receiving mode PoE (PD) In and DC In. It supports power backup (Power Failover) function when use dual power supply
- Full/Half-Duplex capability on each TX port ,
- Supports Store & Forward architecture and performs forwarding and filtering
- Auto-learning networking configurations
- Supporting the flow control: back pressure for Half-duplex and IEEE 802.3x for Full-duplex mode
- Support Jumbo Frame 9K
- Non-blocking & Non-head-of-line blocking full-wire speed forwarding
- Supports TP interface Auto MDIX function for auto TX/RX swap
- Automatic Source MAC Address Learning and Aging
- Supports up to 2K MAC addresses
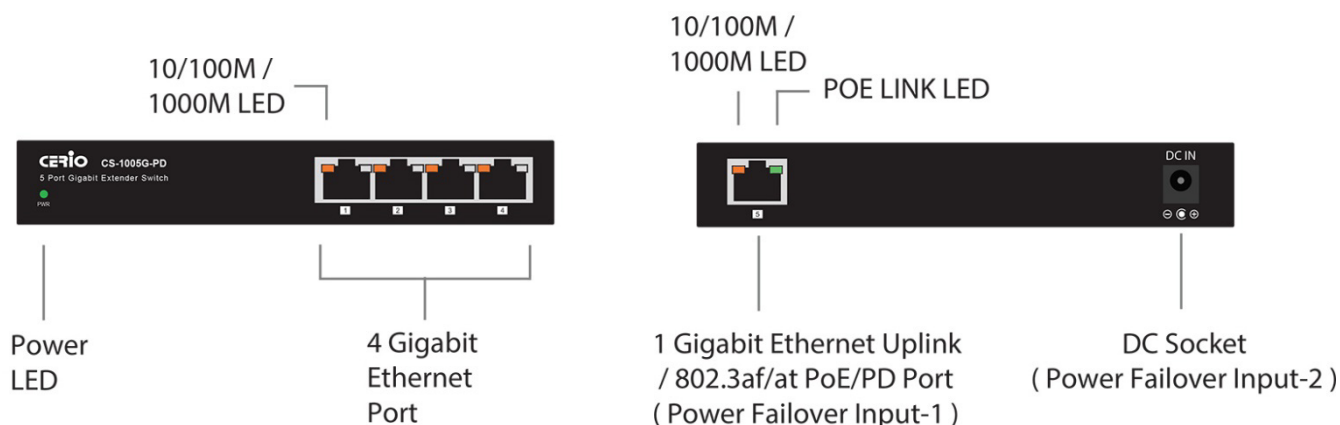- Up to 1Mb bits buffer

Data Extender Appliction

Power Failover Appliction

Hardware Overview

Standards & Hardware Specifications

Network Standards Conformance

IEEE 802.3 10Base-T

IEEE 802.3u 100Base-TX,

IEEE 802.3ab 1000Base-T,

IEEE 802.3x Flow Control

IEEE 802.3af Power over Ethernet (PoE)

IEEE 802.3at Power over Ethernet Plus (PoE+)

Port Configuration

5ports RJ-45 connectors for 10/100/1000Mbps

(With 1 Port Gigabit PoE(PD) function)

Media Access Protocol

CSMA / CD

Network Media

10BASE –T: UTP Cat. 3 or up,

100BASE-TX: UTP Cat. 5 or up,

1000BASE-T: UTP Cat. 5 or up

Transmission Method

Store and Forward

MAC Address Table

2K

Built-in Buffer

1Mb

Jumbo Frame

9K

Data Transfer Rate

10/100/1000Mbps (Half-duplex),

20/200/2000Mbps (Full-duplex)

Auto MDI/MDIX

Yes

LED Indicators

Per Gigabit Port:(Link/Act): Status	x5
PoE(PD) : Status	x1
Per Unit: Power	x1

Internal Bus Speed

10Gbps

Environmental & Mechanical Characteristics

Power Supply

Type 1 : PoE PD Receiving (802.3af/at) Power input

Type 2 : 12Volt /1A DC Power input

Power Consumption

1.5 Watt

Power Requirement

DC Input : Voltage: 12 ~ 57Volt

PoE Input : Power over Ethernet IEEE 802.3af/at

standard

Operating Temperature

0° to 55° C

Storage Temperature

-40° to 70° C

Operating Humidity

10% to 90% non-condensing

Storage Humidity

5% to 90% non-condensing

Dimensions (W x D x H)

160 x 85 x 25mm

Unit Weight

0.342kg

Case of Materials

Metal

Certifications

FCC, CE, RoHS-Compliant

Package Contents

Contents

CS-1005G-PD Main Unit	x1
Quick Installation Guide Booklet	x1
Power Adapter	x1
Warranty Card	x1