

## CS-1005G-4P

**5 Port 10/100/1000M Small Switch with 4 Port PoE+  
( 72Watt Power )**

EAN Code : 4712757159219



## Introduction

The **CERIO CS-1005G-4P** is a powerful and IEEE 802.3af/at Power over Ethernet which provides **DC 44~57V Gigabit** over Ethernet cables high-performance Gigabit Ethernet switch, with all 5 ports capable of 10/100Mbps or 1000Mbps auto-negotiation operation which means the switch could automatically negotiate with the connected partners on the network speed and duplex mode. It is ideal for micro-segmenting large networks into smaller, connected subnets for improved performance, enabling the bandwidth demanding multimedia and imaging applications. Moreover, the 10/100/1000Mbps auto-sensing ability provides an easy way to migrate 10Mbps to 1000Mbps network with no pain.

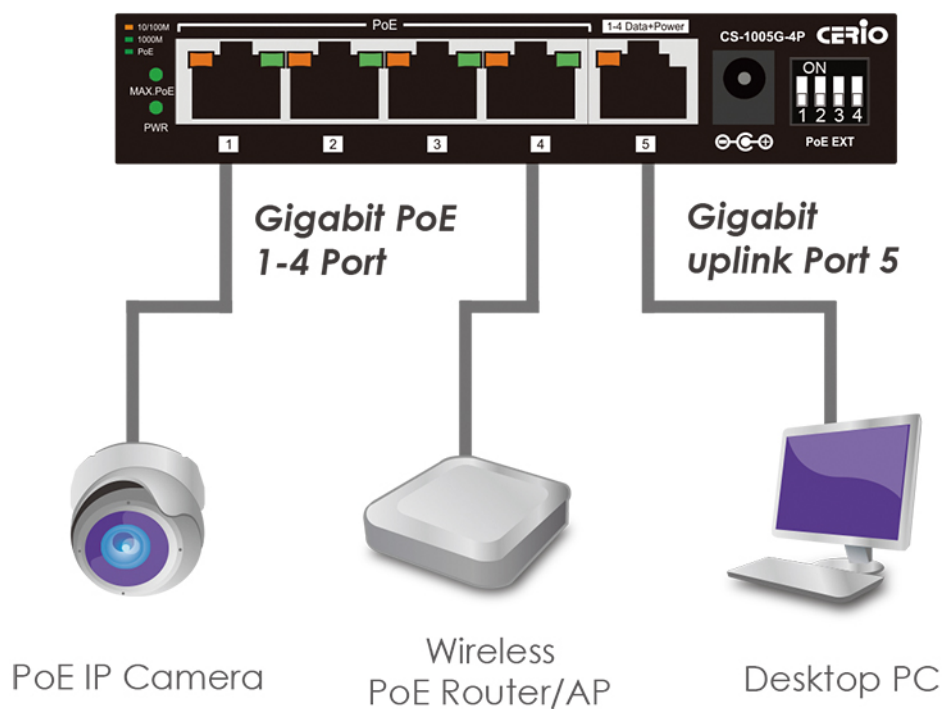
This switch **supports 4 Port 10/100/1000M Gigabit port Power over Ethernet (PoE+), 10Mbps speed with 802.3at 30Watt PoE+ power output over distance up to 280 meters on RJ45 UTP cable.** Up to 280m PoE distance allows you to expand your network via Ethernet cable to where there is no power line or outlet but where you want to fix devices **such as APs, IP Cameras or IP Phones**, etc.. No longer need to worry about the complicated cables and long distance which may cost you a lot of time and money. By integrating the data transmitting cable and power cord, it eliminates the effort constructing your network. 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, IEEE802.3ab 1000Base-T, IEEE-802.3af PoE ,IEEE802.3at PoE+
- 5 Ports 10/100/1000Mbps Auto-Negotiation Gigabit Switch, Have 4 Ports PSE/ PoE function, compliant with IEEE802.3at class4 (30Watt). IEEE-802.3af class3 (15.4Watt); IEEE802.3af class 2 (7.5Watt) .
- Ethernet Extend Mode per port DIP switch control makes transmission distance up to 280m
- Support PoE Power Maximum 30W for share 1~4 PSE/PoE Ports, With bundle Power Adapter have 72Watt for 4 PoE port .
- 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 1M bits buffer

## CS-1005G-4P Application

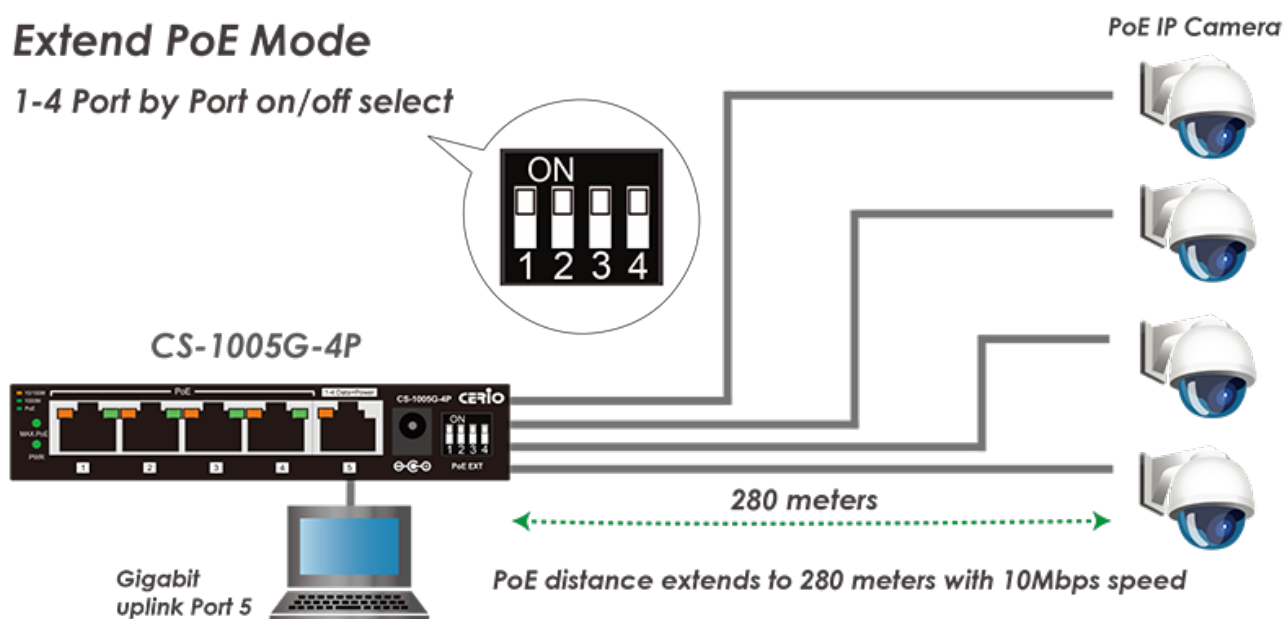
### CS-1005G-4P



## CS-1005G-4P Extend PoE Mode

### Extend PoE Mode

1-4 Port by Port on/off select



## Hardware Overview



4 Gigabit  
Ethernet  
PoE Ports

1 Gigabit  
Ethernet  
Uplink Port

DC  
Power  
Input

4 PoE  
Extend  
Mode



Power on/off Switch

### 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 ( 15.4 Watt PoE+ )  
IEEE 802.3at Power over Ethernet Plus (30Watt PoE+ )

#### Port Configuration

5ports RJ-45 connectors for 10/100/1000Mbps  
(With 4 Port Gigabit PSE/ PoE+ function )

#### DIP Switch

Support 10Mbps /280m transition function for  
PoE ports (Per port DIP switch control)

#### 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	x 5
PoE : Status	x 4
Max. PoE (PoE Load greater than 70% warning)	x 1
Per Unit: Power	x 1

#### Internal Bus Speed

10Gbps

### Environmental & Mechanical Characteristics

#### Power Type

72 Watt External Power Adapter)

#### PoE Power Budget

55V for 60Watt shared for all PoE Ports

#### Power Consumption

2 Watt (max. with no PoE Device connected)

#### PoE Power Output

Up to 30W per port, 55V DC (for Ports 1-4 Only )

#### Power Requirement

AC 100~240 AC Power, 55V / 1.3A DC Input

#### Operating Temperature

0° to 40° C

#### Storage Temperature

-40° to 70° C

#### Operating Humidity

10% to 90% non-condensing

#### Storage Humidity

5% to 90% non-condensing

#### Dimensions ( W x H x D )

121 x 75 x 26 mm

#### Unit Weight

0.397kg

#### Certifications

FCC, CE, RoHS-Compliant

### Package Contents

#### Contents

<b>CS-1005G-4P</b> Main Unit	x1
Quick Installation Guide Booklet	x1
Power Adapter	x1
Warranty Card	x1