

Single-Port 10/100/1000Mbps Ultra PoE *Splitter*

POE-172S



Presentation Outlines

- ◆ Product Positioning
- ◆ Product Overview
- ◆ Product Advantages
- ◆ Product Features
- ◆ Applications
- ◆ Comparison Table
- ◆ Appendix

Environment-friendly Highest Power Splitter in Hand Size

95W Ultra PoE In

PLANET
Ultra PoE Power over Ethernet Splitter

PoE In

DC **12V/19V/24V** Power Out

Data Out
UTP

DC Plug Cable

Touch Phone

POS

Control Pad

802.3bt Ultra PoE

12V/19V/24V DC Output

10/100/1000 Mbps

Product Positioning



PLANET PoE Splitter Family

IEEE 802.3bt
Ultra PoE
(60~95W)



POE-171S

- Ultra PoE In
- 12V/19V/24V DC output
- Output: max. 60W



POE-172S

- **802.3bt** PoE/Ultra PoE In
- 12V/19V/24V DC output
- Output: max. **60W+**



IPOE-171S

- 802.3bt /Ultra PoE+ In
- 12V/24V DC output
- IP30 slim-type

IEEE 802.3at
(Up to 30.8W)



POE-161S

- 802.3at PoE+ In
- 5V/12V DC output
- Output: max. 24W



POE-162S

- 802.3at PoE+ In
- 12V/24V DC output
- Output: max. 24W



IPOE-162S

- 802.3at PoE+ In
- 12V/24V DC output
- IP30 slim-type
- Output: max. 24W

 **New Phase-in**
 **Available**

0-50 degrees C

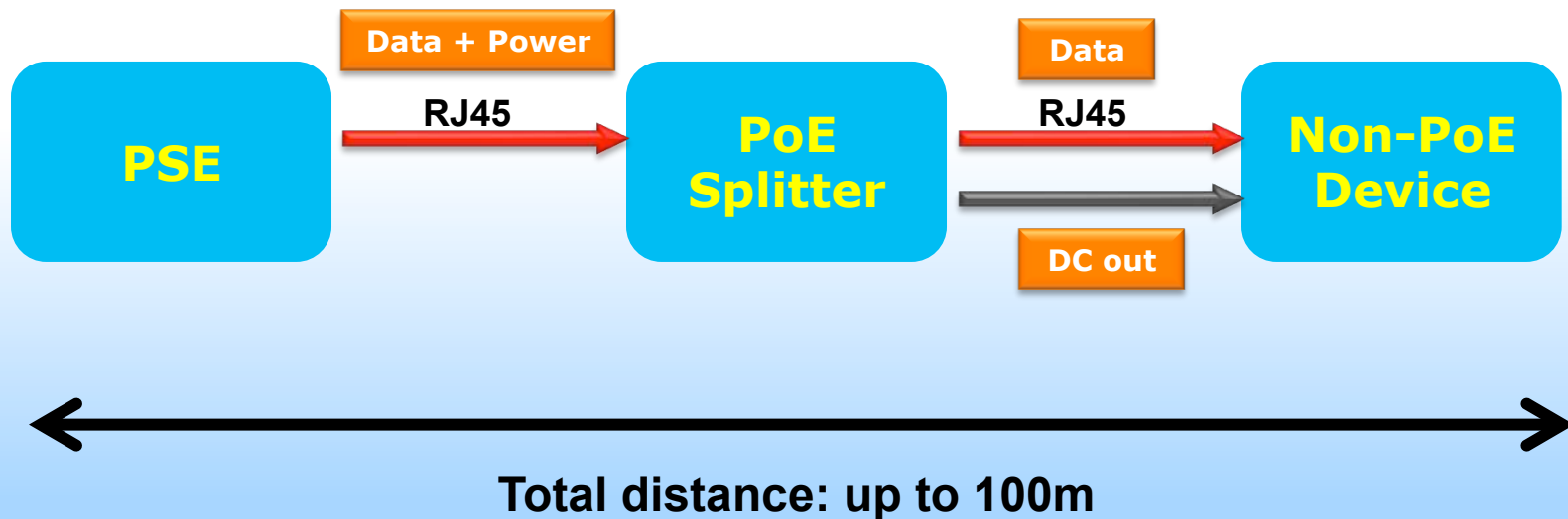
-40 - 75 degrees C

Product Overview



PoE Splitter Introduction

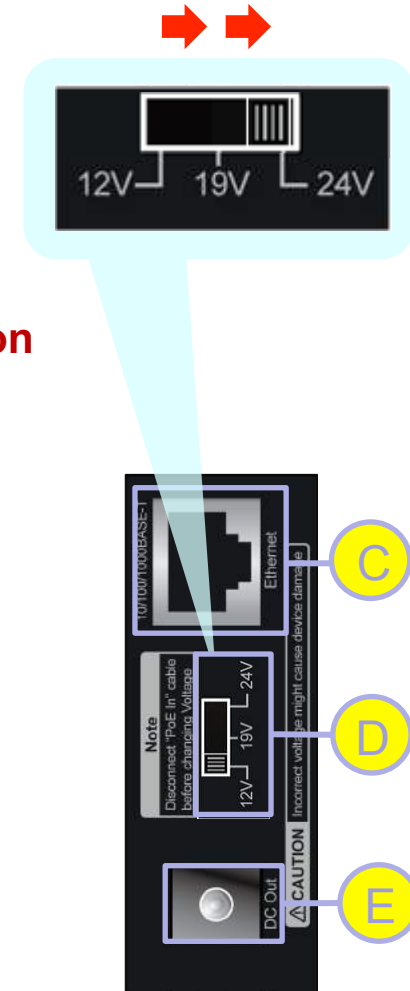
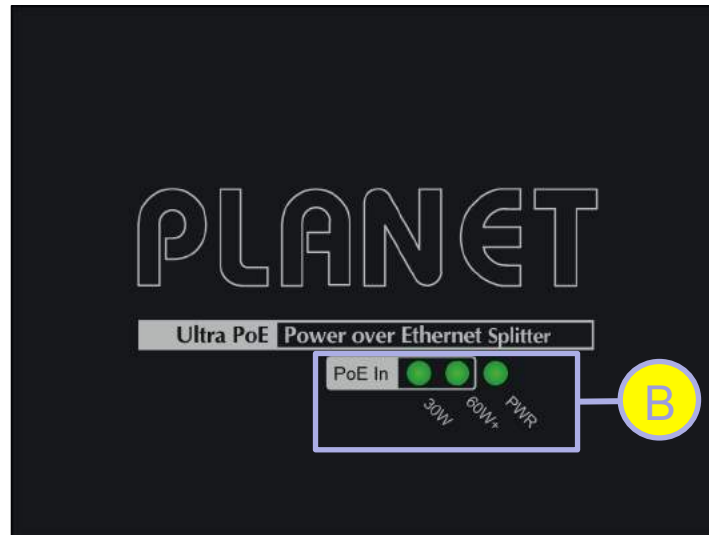
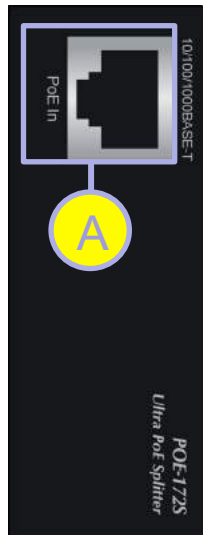
◆ What is PoE Splitter?



Product Overview

◆ Outlook of POE-172S

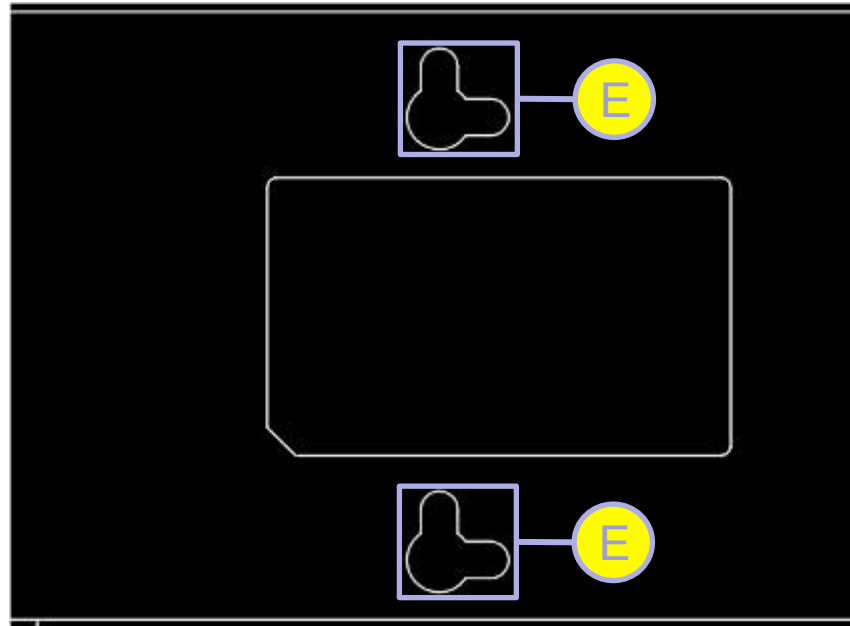
- A** RJ45 port for the **Data + PoE Power Input**
- B** LED indication for the **PoE Power Input**
- C** RJ45 port for the **Ethernet Data Output**
- D** DIP switch for the **DC 12V/19V/24V Output Selection**
- E** DC output plug-in for the **DC 12V/19V/24V Output**



Product Overview

- ◆ **Bottom view of POE-172S**

 Two holes for the **Wall-mount application**



Product Advantages



Product Advantages

◆ As required by customers

Conversion Bridge
between
**IEEE 802.3bt PoE and
Non-PoE** Products

**Environment-
friendly** Products with
ventilated construction



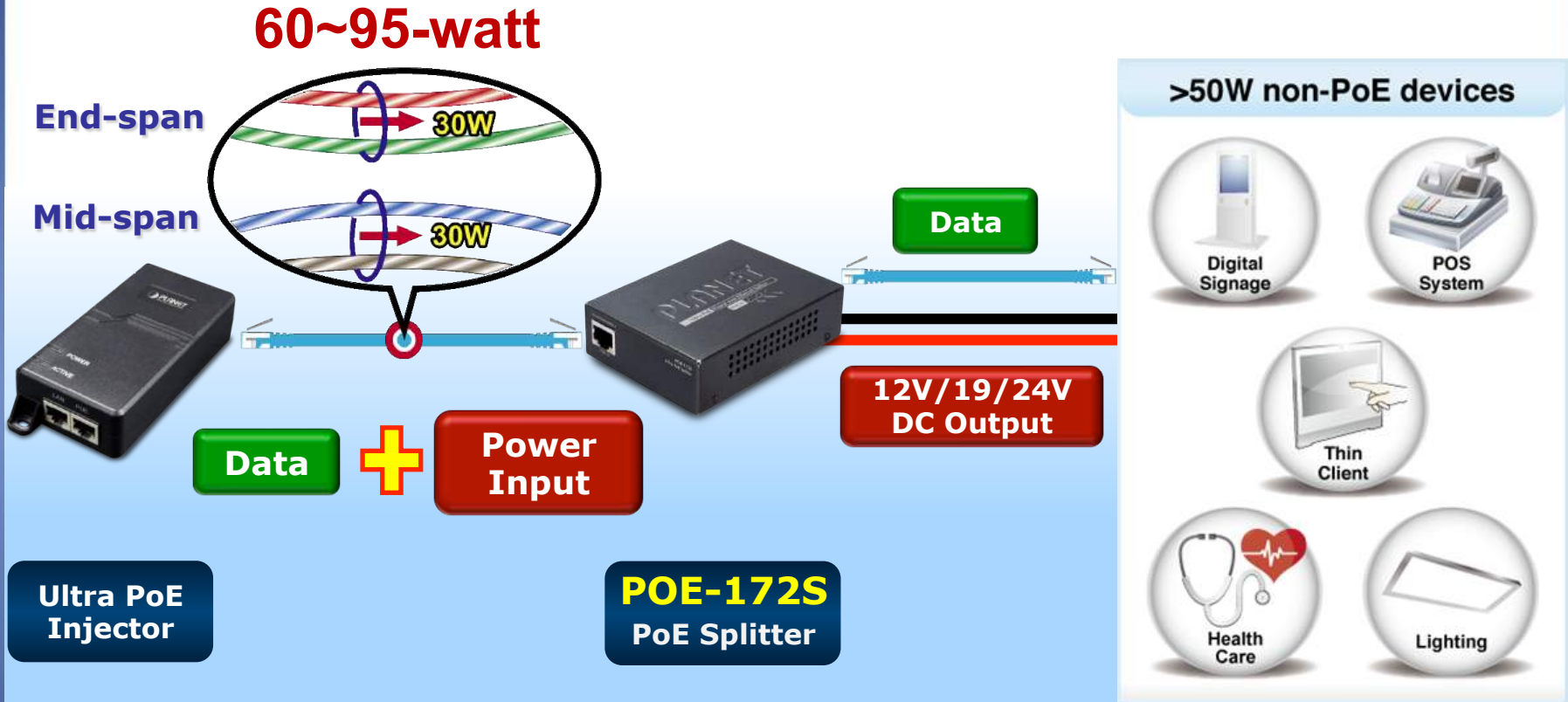
DIP Switch for
12V/19V/24V DC
Power Output

POE-172S

Easy Installation
Plug and Play
Cost Effectiveness

Product Advantages

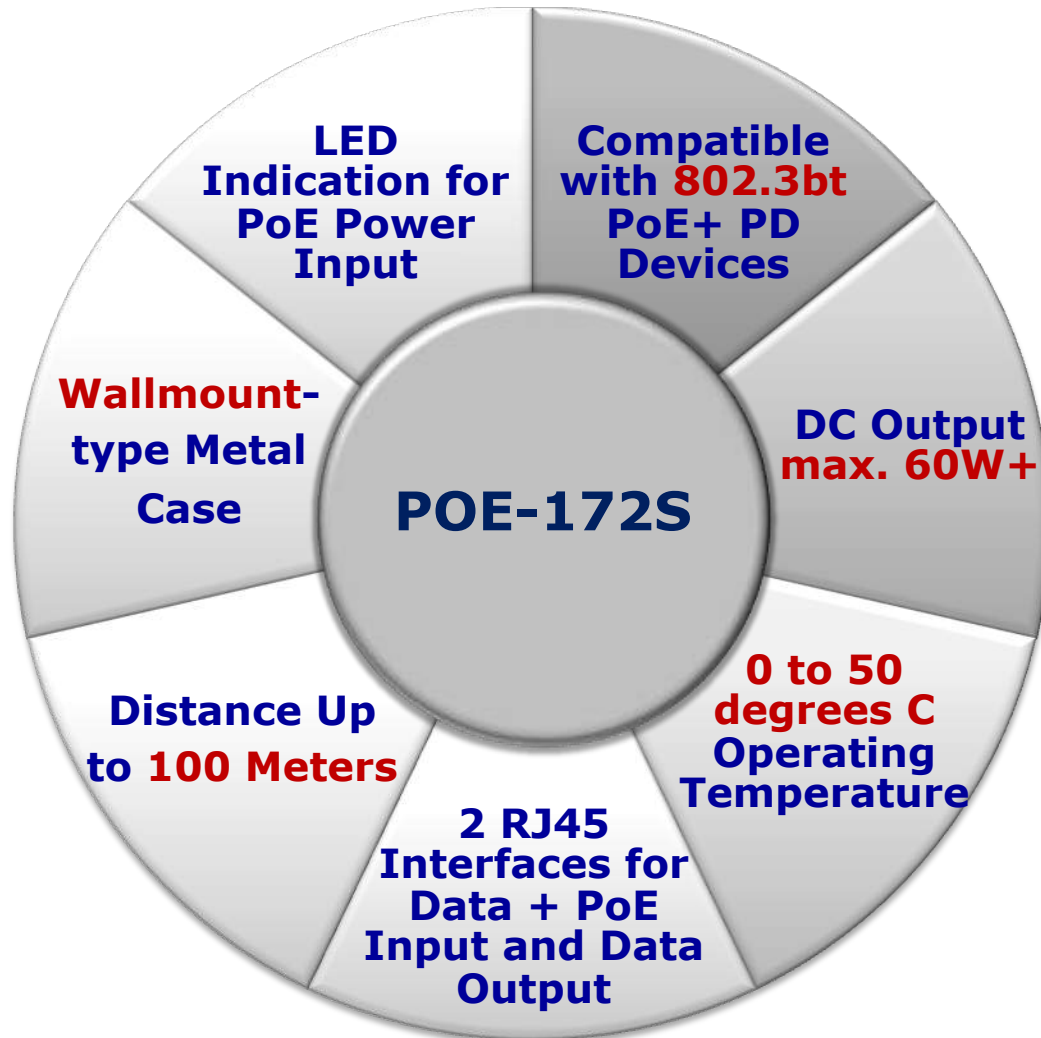
- ◆ Quick and Easy Data plus Power Deployment Solution



Product Features



Product Key Features



Product Features

◆ Hardware

- ✓ **2** 10/100/1000BASE-T RJ45 interfaces
 - 1-port PoE power + data input.
 - 1-port data output.
- ✓ **1** DC out connector
- ✓ **DIP switch** for selection of 12V/19V/24V DC
- ✓ **LED Indication** for PoE power input
- ✓ **Wallmount-type** metal case
- ✓ FCC Part 15 Class A, CE
- ✓ **IEEE 802.3/802.3u/802.3ab** Gigabit Ethernet standard

Product Features

◆ PoE

- ✓ Complies with ultra Power over Ethernet end-span/mid-span PSE
- ✓ Compatible with **IEEE 802.3bt**
- ✓ Backward compatible with 802.3at PoE+ with up to 30-watt power output
- ✓ Splits the PoE power over RJ45 Ethernet cable into **12V/19V/24V** DC output
- ✓ Distance up to **100 meters**

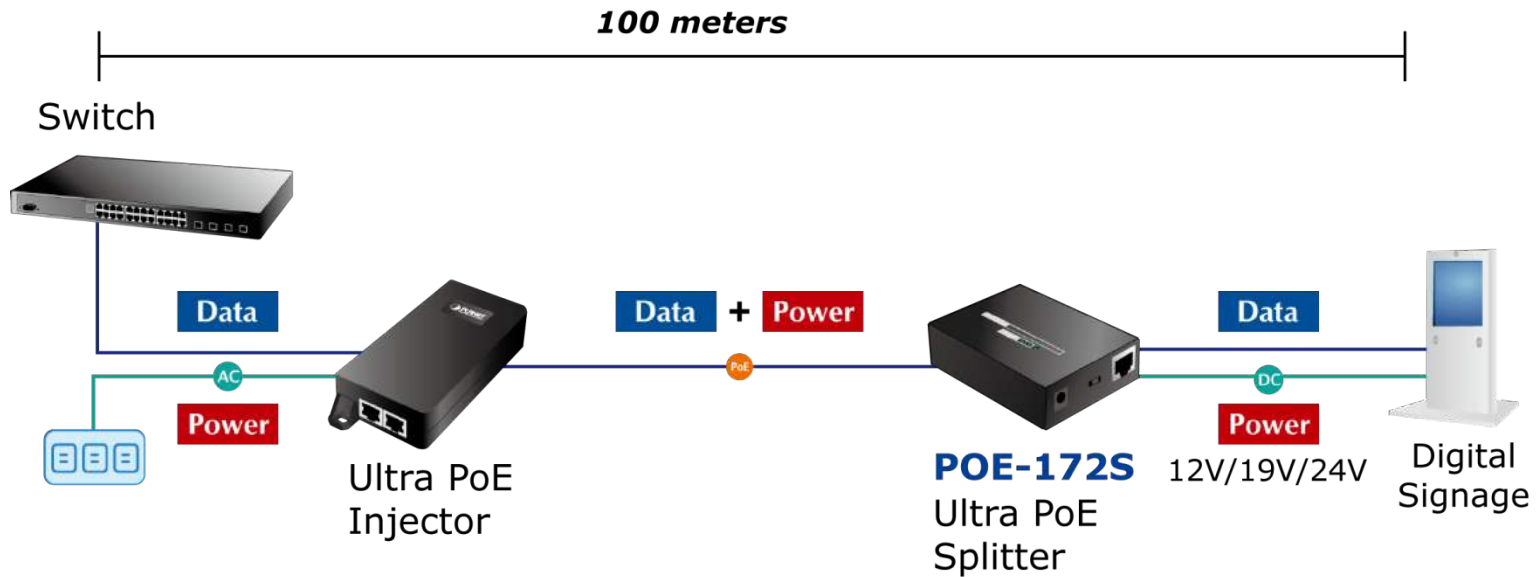
Applications



Applications

◆ IEEE PoE+ Injectors and Splitter Installation

- ✓ Meeting **IEEE PoE Plus** standard, the POE-172S can be powered by PoE Plus injectors or PoE Plus switches to enable to transform its power to non-PoE devices, such as PTZ network cameras, digital signage, wireless LAN access points, etc.



Comparison Table



Comparison Table

Brand & Model

PLANET POE-172S



PLANET POE-171S



PoE Input

IEEE 802.3bt/at, Ultra PoE

IEEE 802.3at, Ultra PoE

DC Output

Max. 60W+

Max. 60W

RJ45 Port

Data & PoE Input x 1
Data Output x 1

Data & PoE Input x 1
Data Output x 1

Data Rate

10/100/1000Mbps

10/100/1000Mbps

DIP Switch

12V/19V/24V

12V/19V/24V

DC Out Connector

1

1

Distance

100 meters

100 meters

Operating Temp.

0 ~ 50 degrees C

0 ~ 50 degrees C

Appendix



Appendix Sales Targets

◆ Target Markets

- ✓ Retail and department
- ✓ System Integrator
- ✓ Access Control
- ✓ Factory
- ✓ Hospital
- ✓ Bank








◆ Recommended Solutions

- ✓ If you already have PLANET Power over Ethernet solutions, you will just need to integrate them to take effect. For example, just integrate IEEE 802.3bt/at PoE solution and non-PoE devices in one environment to save power usage and budget.








Appendix

◆ Related Ultra PoE PSE Products:

Model Name		Description
GS-4210-16UP4C	 <p><small>TAIWAN EXCELLENCE 2016</small></p>	16-Port 10/100/1000T Ultra PoE + 4-Port Gigabit TP/SFP Combo Managed Switch
GS-4210-24UP4C		24-Port 10/100/1000T Ultra PoE + 4-Port Gigabit TP/SFP Combo Managed Switch
GS-5220-16UP2X V/ GS-5220-16UP2X VR		L2+ 16-Port 10/100/1000T Ultra PoE + 2-Port 10G SFP+ Managed Switch with LCD Touch Screen (400W)
GS-5220-16UP4S 2X/ GS-5220-16UP4S 2XR		L2+ 16-Port 10/100/1000T Ultra PoE + 4-Port 100/1000X SFP + 2-Port 10G SFP+ Managed Switch
GS-5220-24UP4X / GS-5220-24UP4X R		L2+ 24-Port 10/100/1000T Ultra PoE + 4-Port 10G SFP+ Managed Switch

Appendix


◆ Related Ultra PoE PSE Products:

Model Name		Description
GS-5220-24UP4X V/ GS-5220-24UP4X VR		L2+ 24-Port 10/100/1000T Ultra PoE + 4-Port 10G SFP+ Managed Switch with LCD touch screen
GS-5220-24UPL4 X/ GS-5220-24UPL4 XR		L2+ 24-Port 10/100/1000T Ultra PoE + 4-Port 10G SFP+ Managed Switch
GS-5220-24UPL4 XV/ GS-5220-24UPL4 XVR		L2+ 24-Port 10/100/1000T Ultra PoE + 4-Port 10G SFP+ Managed Switch with LCD touch screen
GSW-1222VUP		8-Port 10/100/1000T Ultra PoE + 2-Port 10/100/1000T + 2-Port 1000X SFP Gigabit Ethernet Switch with LCD PoE Monitor (380W)
IGS-5225-4UP1T2 S		Industrial L2+ 4-Port 10/100/1000T Ultra PoE + 1-Port 10/100/1000T + 2-Port 100/1000X SFP Managed Switch

Appendix





◆ **Related Ultra PoE Injector and Hub Products:**

Model Name		Description
UPOE-800G		8-Port Gigabit 60W Ultra PoE Managed Injector Hub (400W)
UPOE-1600G		16-Port Gigabit 60W Ultra PoE Managed Injector Hub (600W)
UPOE-2400G		24-Port Gigabit 60W Ultra PoE Managed Injector Hub (800W)
POE-172		Single-Port 10/100/1000Mbps Ultra PoE Injector (60W, internal PWR)
POE-173		60-watt Ultra Power over Ethernet Injector

Appendix

◆ **Related Ultra PoE Splitter Products:**

Model Name		Description
POE-171S		Single-Port 10/100/1000Mbps Ultra PoE Splitter (12V/19V/24V)
IPOE-171S		Industrial Single-Port 10/100/1000Mbps Ultra PoE Splitter



ACTIVATING IP POWER