

**Note:**

1. Ports 1 to 4 are used for connecting to PD or PoE splitter for end devices.
2. For high power applications, the PD or PoE splitter has to be compliant with pre-802.3at standard.
3. Port 5 is the RJ-45 uplink port that connects with non-PoE Device.

For cable selection, refer to the following table:

| Network Speed | Cable Type            | Max. Length |
|---------------|-----------------------|-------------|
| 10M           | Cat. 3,4,5,5e UTP/STP | 100 meters  |
| 100M          | Cat. 5,5e UTP/STP     | 100 meters  |

**Note:**

To prevent costly equipment damage and downtime, please consider installing a surge suppression device or a UPS (Uninterrupted Power Supply).

**Specifications**

|                     |   |
|---------------------|---|
| <b>Module</b>       | SP6005P4  |
| <b>Standards</b>    | IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX<br>IEEE 802.3af / pre-802.3at Power over Ethernet   |
| <b>Hardware</b>     | 1 x RJ-45 ports of 10/100M (#5)<br>4 x RJ-45 PoE ports of 10/100M (#1 - #4)<br>MAC address: 2K<br>Buffer memory: 512KB  |
| <b>Features</b>     | Auto negotiation for 10/100M ports<br>Auto MDI/MDI-X for 10/100M ports<br>Max. 61.6W system feeding power<br>Deliver high power 48/30/20W for 1/2/3 PDs<br>OVP (Over Voltage Protection)<br>OCP (Over Current Protection)<br>OTP (Over Temperature Protection)<br>SCP (Short Circuit Protection)<br>Surge protection<br>LED indicators for PoE activity |
| <b>Power Supply</b> | DC 48V, 1.25A   |
| <b>Environment</b>  | Operating Temperature: 0 55 degree C<br>Storage Temperature: -20 90 degree C<br>Relative Humidity: 10 to 90%  |
| <b>Dimension</b>    | 120 x 90 x 28 (mm)  |
| <b>Emission</b>     | CE  |

**FCC Certifications**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and radiates radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at own expense. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received; including interference that may cause undesired operation.

**CE Mark Warning**

This equipment complies with the requirements relating to electromagnetic compatibility of the essential protection requirement of Council Directive 89/336/EEC on the approximation of the laws of the Member States. Company has an on-going policy of upgrading its products and it may be possible that information in this document is not up-to-date. Please check with your local distributors for the latest information. No part of this document can be copied or reproduced in any form without written consent from the company.

**Micronet**  
Making Communication Easier



Quick Installation Guide

**5-Port 10/100M PoE Switch, 4 PoE Ports**

Model No.: SP6005P4



P/N: 2300-0580

**WEEE Directive & Product Disposal**

At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Web: [www.micronet.com.tw](http://www.micronet.com.tw) ; [www.micronet.info](http://www.micronet.info)

Introduction

The SP6005P4 supports IEEE 802.3af and pre-802.3at standards for Power over Ethernet (PoE) with the maximum power delivery up to 48 Watts. That makes it suitable to various applications that demand for remote power feeding and meet high level requirement for power. In addition, the SP6005P4 is equipped with DIP switch for per-port PoE enabled/disabled. It effectively helps allocate power for connected devices and enhances network management.

Key Features

- Compliant with IEEE 802.3af and pre-802.3at standards
- Supports Power over Ethernet on 4 RJ-45 ports of 10/100M
- Provides 61.6W (max) feeding power to 4 PDs: 15.4W for each
- Able to delivers high power to 1/2/3 PDs: 48/30/20W for each
- Supports power protection as OVP (Over Voltage Protection), OCP (Over Current Protection), OTP (Over Temperature Protection), and SCP (Short Circuit Protection)
- Supports robust surge protection
- Equipped with DIP switch for per-port PoE enabled/disabled
- LED indicators for PoE activity

Package Contents

Before you start installing SP6005P4, please verify the following package contents:

- SP6005P4 10/100M PoE Switch
- Quick Installation Guide
- AC/DC Power Adaptor
- Power Cord

Tour of the System

Front Panel

LED indicators, dip switch and one uplink port



Back Panel

RJ-45 PoE ports and work with DC48V/1.25A adaptor



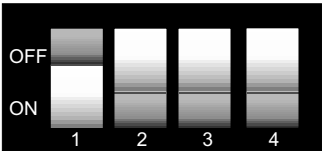
LED Indicator

For definitions of LED indicators, please refer to the following table:

| LED   | Status      | Operation  |
|-------|-------------|--|
| POWER | On/Green    | Power is on                                      |
|       | Off         | Power is off                                     |
| LINK  | On/Green    | The Ethernet port is connecting with the device. |
|       | Blink/Green | Receiving or transmitting data.                  |
|       | Off         | No device attached.                              |
| PoE   | On/Green    | PoE port is active.                              |
|       | Off         | PoE port is not active.                          |

Dip Switch Configuration

The DIP switch can be switched 'ON' or 'OFF' anytime for PoE function enabled/disabled.



PoE Control

| Number of Enabled PoE Ports            | 1   | 2   | 3   | 4    |
|--|-----|-----|-----|------|
| Maximal power on Each PoE Port (Watts) | *48 | *30 | *20 | 15.4 |

Note:

1. It is suggested that the dip switch is set ready before the PoE port is connected.
2. (\*) The SP6005P4, with pre-802.3at compliant, provides Extended power levels 48/30/20 watts for higher power applications.

Hardware Installation

The setup of the switch can be performed using the following steps:

- Step 1: Connect the AC Power Adaptor to SP6005P4 and then to a power outlet.
- Step 2: Enable PoE port manually with dip switch 'On'.
- Step 3: Connect a RJ-45 Ethernet cable from IEEE802.3af-compliant devices (PD) to an available PoE port of SP6005P4.