

## Hardware Installation

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

**Step 1:** Connect a RJ-45 Ethernet cable from IEEE802.3af-compliant devices (PD) to an available PoE port of SP6016P8.

**Step 2:** Connect the AC Power Adaptor to SP6016P8 and then to a power outlet.

**Note:** Ports 1 to 8 are RJ-45 ports for connecting non-PoE devices. Ports 9 to 16 are used for connecting to PD or PoE splitter for end devices.

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 (Un-interrupted Power Supply).

## Specification

Model	SP6016P8
Standards	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3af Power over Ethernet
Hardware	16 x RJ-45 Ports of 10/100M 8 x RJ-45 PoE Ports of 10/100M MAC address: 4K Buffer memory: 1.5MByte
Filtering/ Forwarding Rates	100Mbps port - 148,800pps 10Mbps port - 14,880pps
Management Functions	Auto negotiation for 10/100M ports Auto MDI/MDI-X for 10/100M ports Max. power feeding: 65W 48VDC per port output 15.4W power (max.) per port Full power 15.4W per port for 4 ports 7.7W per port for 8 ports PD on/off, PD detection, and power level LED indicators for PoE activity
Power Output	AC 100 - 240V, 50/60Hz
Environment	Operating temperature: 0 - 60 degree C Storage temperature: -20 - 90 degree C Humidity: 5% - 90%
Dimension (L x W x H)	440 x 220 x 44 (mm)
Emission	FCC, 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.



P/N: 2300-0555



**WEEE Directive & Product Disposal**  
At the end 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.

**Micronet**  
Making Communication Easier



Quick Installation Guide

## 16-Port 10/100M PoE Switch, 8 PoE Ports

Model No.: SP6016P8

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

## Introduction

SP6016P8 supports IEEE 802.3af standard on 8 RJ-45 ports of 10/100M for Power over Ethernet (PoE) and is very suitable to the environments that demand for remote power feeding applications, such as video surveillance and wireless hotspots. With powered device sensing and power classification, it can detect the presence of 802.3af compliant devices, supplies power to different appliances, such as IP Camera, and Wireless AP, and enables a unified supply of data, voice, video and power over standard Cat.5 and above twisted pair cable.

## Key Features

- Supports IEEE 802.3af compliant
- Supports Power over Ethernet on 8 RJ-45 ports of 10/100M
- Full power 15.4 watts per port for 4 ports
- Smart feature for PD on/off, PD detection, power level
- LED indicators for PoE activity

## Package Contents

Before you start installing SP6016P8, please verify the following package contents:

- SP6016P8 10/100M Switch with 8 PoE Ports
- Quick Installation Guide
- Power Cord

**Note:** Contact your local dealer immediately if any of the above items are missing, damaged, or the unit does not work.

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## Tour of the System

### Physical Description



- 1 LED Indicator
- 2 10/100M RJ-45 Port (#1 - #8)
- 3 10/100M RJ-45 PoE Port (#9 - #16)

### LED Definition:

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

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

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