

Specification

Standards	IEEE 802.3 10BaseT
	IEEE 802.3u 100BaseTX
	IEEE 802.3x Flow Control
	IEEE 802.3at/af compliant
Features	MAC Address: 2K
	Buffer Memory: 512K bits
	Transmission Method: Store and Forward
Filtering/	100Mbps port - 148,800pps
Forwarding Rates	10Mbps port - 14,880pps
Transmission	10BaseT Cat. 3, 4, 5 UTP/STP
Media	100BaseTX Cat. 5 UTP/STP
PoE on each Port	15.4/7.7 Watts for 8/16 PoE ports
Output PoE Pin	4,5,7,8
LED Indicators	Power, LAN1~16 port , PoE 1~16 port
Power Adaptor	Input: 100-240VAC, 50~60Hz Output: 120W
Dimensions	440 x 118 x 38 mm (L x W x H)
Weight	2.2 kg
Operating Temperature	0 to 50°C
Humidity	10 to 90% RH (non-condensing)
Certifications	CE

5

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.

6

Communicate via *Micro network*



Micronet
Making Communication Easier

Quick Installation Guide

16-Port 10/100M PoE Switch, 120 Watts

Model No.: SP6016PH



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.



Introduction

Micronet SP6016PH features a 16-ports 10/100Mbps Fast Ethernet Switch with 16-port Power over Ethernet (PoE) interfaces. It supports MDI / MDI-X function on all 10/100Mbps ports and provides power injection on each LAN port which complies to IEEE 802.3af PoE powered devices. With the dip switch, each PoE port can be manually set for ON-OFF control. SP6016PH is supporting up to 15.4 Watts on 8 LAN ports or 7.7 Watts on 16 LAN ports if its port DIP switch is ON. This offers a more flexible and economic PoE option and greatly simplified the tasks of upgrading network equipments. It provides a simple, cost-effective, and reliable network connection for data and power over Ethernet.

Key Features

- 16-Port 10/100Mbps Fast Ethernet Switch with 16-port Power over Ethernet (PoE) function
- Complies with IEEE 802.3af PoE standards.
- Auto-MDI / MDI-X detection on each RJ-45 port
- Support 10/100Mbps N-way auto-negotiation
- 2K MAC address table, automatic source address learning and aging
- Support power protections as OVP (Over Voltage Protection), OCP (Over Current Protection), OTP (Over Temperature Protection), robust short-circuit protection and surge protection.

Note: For each port if the power is drawn more than 15.4 Watts, the PoE and LED indicator will be OFF. PoE will NOT be ON until the Ethernet Cable is pulled off.

1

LED Indicator

On the front panel of 16-Port PoE Switch, there are 33 LED indicators as the following;

POWER: "Green On" indicates power is on and normal.

LAN : "Green On" indicates each Ethernet LAN port is in connection.

"Fast Flashing" indicates each Ethernet LAN data activities at 100M.

"Slow Flashing" indicates each Ethernet LAN data activities at 10M.

PoE: "Green On" indicates Power over Ethernet function is enabled for each port.

"OFF" indicates the PoE is disabled, and it becomes a regular LAN port.

DIP switch settings

Per PoE Port	1 ~ 16 ports DIP ON
	15.4Watts Injected
Maximum PoE Power	120 Watts

Note: that the dip switches can be switched ON and OFF anytime. However, it is suggested that the dip switches be set ready before the PoE port is connected for power management.

The device will be re-started if the overall PoE power consumption is over the power budget. Please make less PoE ports enabled when over the power budget.

3

Package Contents

Before you start installing SP6016PH, please verify the following package contents:

- SP6016PH 10/100M PoE Switch
- Quick Installation Guide
- Power Cord

Tour of the System

Front Panel

LED indicators



Back Panel

Power Switch and Power Cord Connector



2

Hardware Installation

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

Step 1: Connect the Power Cord to SP6016PH and then to a power outlet.

Step 2: Connect a RJ-45 Ethernet cable from IEEE802.3af-compliant devices (PD) to an available PoE port of SP6016PH.

Note: Port 1 to Port 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).

4