

# FriendlyNet FH208P

## 8-port Dual-speed Fast Ethernet Hub

### User's Guide

#### 1 PRODUCT INTRODUCTION

Asanté's FriendlyNet FH208P 8-port Dual-speed Ethernet Hub offers a cost-effective solution to today's growing need for network speed integration. With eight 10/100Mbps plug-and-play dual speed ports equipped in its compact size, it is possible to achieve the coexistence of 10Mbps and 100Mbps devices in a single network now and move to a 100Mbps network in the future. Further, the FH208P is furnished with an internal switch function, which combines both dual speed features and network segmentation functions together to progress to a higher level of network flexibility and efficiency. Other key features include:

- ◆ Compliant with IEEE802.3 & 802.3u Class I and II Repeater specifications
- ◆ 10Base-T/100Base-TX N-WAY automatic speed detection
- ◆ Compact size
- ◆ One Uplink switch to support uplink function
- ◆ Two ports (#7 & #8) allow manual speed setting by DIP switches

#### PACKAGE CONTENTS

The package should include the following items:

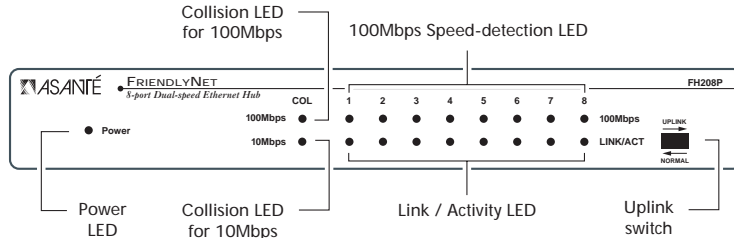
- ◆ One FriendlyNet FH208P 8-port Dual-speed Ethernet Hub
- ◆ One power adapter
- ◆ One power cord
- ◆ One mail-in registration card
- ◆ One User's Guide

**If any item is missing, please contact your dealer immediately.**

## HARDWARE DESCRIPTION

### The Front Panel

The LED indicators help to monitor the working status of the hub and overall network situation. An uplink switch is located beside port #8 LED for uplink control.

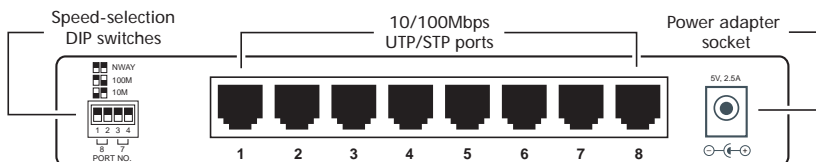


### LED Indicators





LED indicator	Color	Description
Power (PWR)	green	Lit = Power on
Collision (COL)	yellow	Lit = Data collision occurs
100Mbps (100M)	green	Lit = 100Mbps link activated
Link/Activity (LINK/ACT)	green	Lit = link established; Blink = receiving data

### The Rear Panel

The rear panel includes one power socket, which accepts 5 Vdc 2.5A power input, DIP switches for manual speed setting, and 8 RJ-45 UTP/STP ports.



## DIP Switches

SPEED SETTING	Port #8		Port #7		Port #7 Port #8 1 2 3 4
	DIP SWITCH 1	DIP SWITCH 2	DIP SWITCH 3	DIP SWITCH 4	
Auto-negotiation	up = on	up = on	up = on	up = on	 off on
Auto-negotiation	down = off	down = off	down = off	down = off	 off on
100Mbps	up = on	down = off	up = on	down = off	 off on
10Mbps	down = off	up = on	down = off	up = on	 off on

## 2 INSTALLATION

### A. Basic Installation

1. Place the hub on a smooth, horizontal surface.
2. Establish network connection by plugging one end of the Category 5 UTP/STP cable RJ-45 connector into the hub port, the other end to the Ethernet/Fast Ethernet adapter installed in the workstation computers.
3. If necessary, adjust port speed by setting the DIP switches before connecting network devices.
4. Connect each device by repeating steps 2 and 3.
5. Ensure that each device is connected properly. Turn on the power by attaching the power cable to the hub and plug in the power outlet.

**Attention:** Be sure to use Category 5 UTP/STP cable in connecting 100Mbps network devices. The cable length shall not exceed 100 meters.

### B. Uplink Connection

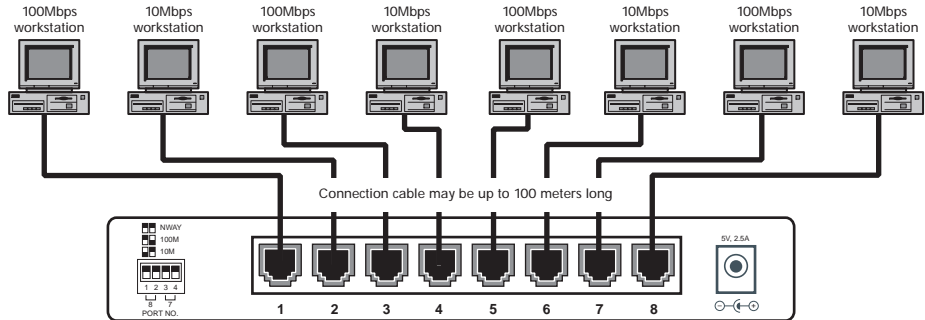
1. Set the Uplink switch to “Uplink” position.
2. Plug one end of the Category 5 UTP/STP cable RJ-45 connector into the Uplink port of the first hub.
3. Plug the other end into an ordinary port on the second hub.

**Attention:**

- I. Crossover cable is not necessary in establishing uplink connection through uplink port.
- II. The uplink cable length shall not exceed 5 meters.

### 3 APPLICATION

The FriendlyNet FH208P can be deployed where 10Mbps and 100Mbps network devices coexist and need to be integrated. The diagram below illustrates one sample application:



### 4 PRODUCT SPECIFICATIONS

<b>Standards supported</b>	IEEE802.3, IEEE802.3u, Class I and II Repeater
<b>10/100Base-TX UTP/STP Port</b>	8 N-WAY ports
<b>Uplink port</b>	Port #8
<b>Manual speed selectable ports</b>	Ports #7 and #8
<b>Cabling</b>	UTP/STP Category 3, 4, 5 (100 ohm impedance)
<b>LED indicators</b>	Power — green Collision — yellow 100Mbps — green Link/Activity — green/blink
<b>Input voltage</b>	100–240 Vac, 50/60Hz
<b>Output voltage</b>	5 Vdc, 2.5A
<b>Operating temperature</b>	0–50° C (32–119° F)
<b>Operating humidity</b>	5–95%
<b>Certification</b>	FCC Class B, VCCI, UL, CUL, CE (EMI, EMS, LVD)
<b>Dimensions</b>	170mm (W) x 155mm (D) x 30mm (H)