

10/100 Fast Ethernet Dual Speed Hub



Installation Manual

DH5102E
DH8100E
DH16100E

StarTech.com   **REGISTERED
ISO 9001**

Introduction

The StarTech.com Dual Speed Fast Ethernet desktop hubs are small in size but big in value. They provide 2 powerful modes of operation: dual speed mode, or extension mode. Extension mode allows the hub to cascade from up to 100m away, breaking the standard 10m hub distance limit of 100BaseT Ethernet. Each port has 2 LED indicators that show the link speed and activity for quick and easy monitoring.

Features

1. Consists of 1 internal 10Mbps Ethernet segment and 1 internal 100Mbps Fast Ethernet segment.
2. Supports auto-negotiation RJ45 ports which automatically sense and select optimum speed and route data traffic to corresponding internal segments.
3. Built in uplink port to connect with regular straight-through cable to connect to another hub.
4. Built in internal switching function automatically switches data traffic between devices running at different speed, as well as establishes communications between ports running at 10Mbps and 100Mbps.
5. Provides 1 Extension port that can be linked to another Fast Ethernet hub up to 100 meters.
6. Wall mountable.
7. 2-year warranty.

Specifications

Standards	IEEE 802.3, IEEE 802.3u
Connectors	RJ45
Dimensions	5 port: 127 x 83 x 30 mm / 5.0 x 3.27 x 1.18 in.

	8 port: 187 x 100 x 30 mm / 7.4 x 3.94 x 1.18 in.
	16 port: 290 x 100 x 30 mm / 11.4 x 3.94 x 1.18 in.
Weight:	5 port: 180g / 0.40lb.
	8 port: 370g / 0.81lb.
	16 port: 480g / 1.16lb.
Operating Humidity	10~95% (non-condensing)

Package Contents

- 1 x Fast Ethernet Switch
- 1 x external power adapter

LED

LED	Status	Description	Number of LED
PWR (Power)	Lit	Power is supplied	One for the whole Hub
	Off	No Power	
COL	Lit	Collision detected in this segment	One for 10Mbps segment and one for 100Mbps
	Off	No Collision	
LNK/ACT (Link/Activity)	Lit	A valid link is established	One for each port
	Flash	Data packets received	
	Off	No link is established	
COL/FDX (Collision/Full Duplex)	Lit	Port is running at 100Mbps	One for each port
	Off	Not connected or running at 10Mbps	

Installation

1. Connect a Category 5 patch cable to the RJ45 jack on your computer's network card. (The RJ45 jack looks like an oversized phone jack).

2. Connect the other end of the cable to a numbered port on the hub (not to the uplink port).
3. Once the network cable is connected to both ends and the attached network device is powered on, the green LNK/ACT LED light should be lit.
4. Repeat these steps for the remainder of the computers you would like to network.

An uplink port is used to connect to another hub/switch using regular straight-through UTP cable.

Troubleshooting

1. Power LED is not lit

Check if the power cord is properly connected to the external power adapter and the power outlet. Make sure the DC power jack is firmly plugged into the power socket of the switch.

2. Link Status LED is not lit

Check the power switch of the devices connected to the hub; make sure they are turned ON. Check the network cables; make sure they are properly connected to the hub and the network devices.

Check the network cables; make sure the cables comply with EIA/TIA 568 specifications. Use straight-through Category 5 cables for 100Mbps connection and Category 3 or higher cables for 10Mbps connection.

3. Collision LED flashes constantly

Remove all the network cables; connect the cables back one by one to isolate the source of the collision.

Check the network cable, inferior cable quality will result in excessive collision and error packets.