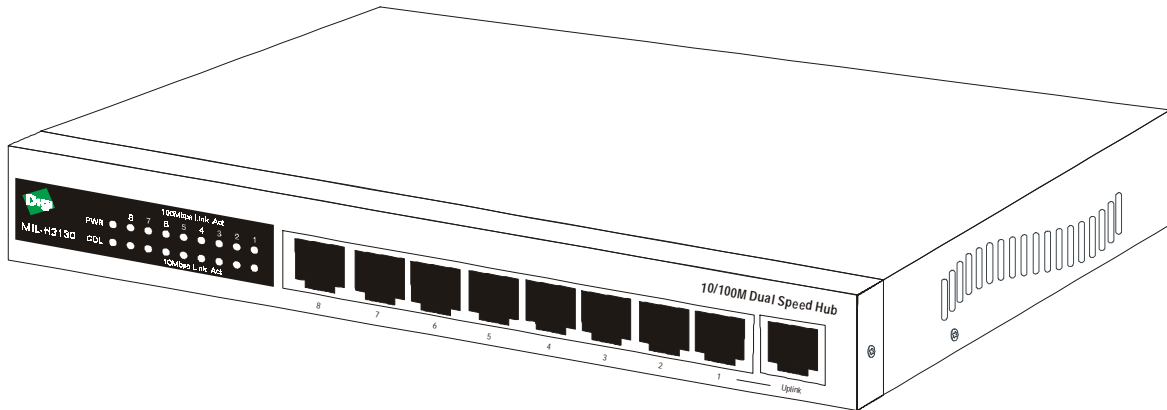




Installation Guide

MIL-H3130 8-port 10/100 Dual Speed Hub



INTRODUCTION

Thanks for purchasing the MIL-H3130 Dual Speed Hub. It can easily combine 10 Mbps Ethernet segments and 100 Mbps Fast Ethernet segments. The hub can make your network environment more efficient, give you unmatched flexibility, high performance, and robust functions.

The MIL-H3130 Dual Speed Hub provides 8 auto-sensing RJ-45 twisted pair ports on the front panel. With the auto-sensing feature, the ports can detect transmission rates in 10 Mbps or 100 Mbps automatically. The concise LED indicators help you to recognize the link status and simplify troubleshooting. You can easily connect the hub with other network devices. There is an extra RJ-45 port provided for cascading to another hub or switch using straight-through Category 5 twisted pair cable.

The MIL-H3130 Dual Speed Hub has the following features:

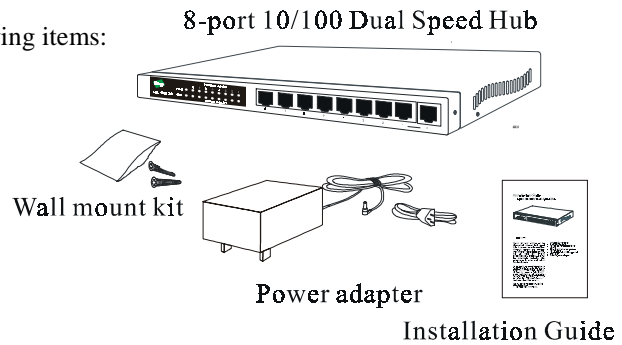
- Complies with IEEE802.3, IEEE802.3U standards
- 8 10/100 Mbps auto-sensing ports
- One up-link port provided for cascading
- Visual diagnostic LED's
- Palm size
- External power adapter

MH18RDV00ADH

PACKAGE CONTENTS

Before you begin, verify that your package contains the following items:

- 8-port 10/100 dual speed hub
- AC power adapter
- Mounting kit for wall mount
- Installation guide



HOW TO USE 8-PORT 10/100 DUAL SPEED HUB



LED's

The LED's on the front panel indicate the following status:

- Status of the hub's power supply
- Connection speed of 10 Mbps or 100 Mbps
- Data activity on the segment
- Collision status in a segment

Power

Green The power is on
OFF Power is off

Collision

Amber The LED is on if there is collision detected in the 100 Mbps or 10 Mbps segment.
Off No collision is detected.

Link/Activity: 100 Mbps

Green The port is connected to a link partner, and the 100 Mbps link pulse symbol is detected.
Flashing Green A connection is established, data is being received.
OFF No 100 Mbps link is established.

Link/Activity: 10 Mbps

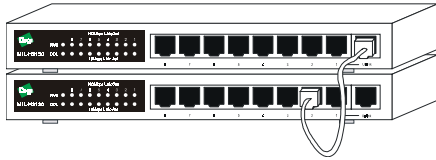
Green The port is connected to a link partner, and the 10 Mbps link pulse is detected.
Flashing Green A connection is established, data is being received.
OFF No 10 Mbps link established.

RJ-45 10/100 Dual Speed Ports

There are 8 RJ-45 ports on the front panel. The speed of the port is automatically determined when you connect the hub to 10Base-T and 100Base-TX devices.

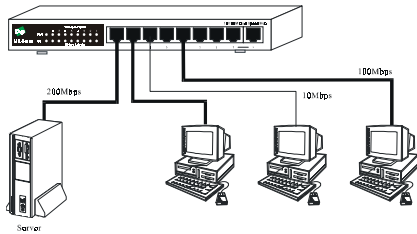
Uplink Port

One uplink port (MDI) on the front panel allows users to connect to a switch or a hub, using straight-through Category 5 twisted-pair cable as figure shown.



Connecting to a desktop

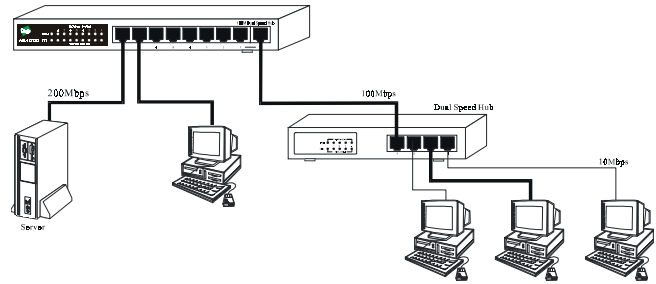
The hub is connected to the desktops, to form a small network. You can build the network as the figure shows.



Connecting to a Switch or a Hub

Hub-to-hub connections are made by connecting the uplink port of the 10/100 dual speed hub to a port of the other hub/switch.

With 100Base-TX, the maximum network distance is approximately 205 meters with UTP cable. The maximum length between hubs or switch-to-hub is 100 meters.



WALL MOUNT

The MIL-H3130 10/100 Dual Speed Hub can be mounted to the wall or to a flat surface.

- Screw one of the enclosed 1/2-inch wood screws into the surface, leaving approximately 1/4-inch of the threads exposed.
- Hang the hub on the wall using the keyholes provided on the bottom of the hub.

Wall



FCC COMPLIANCE STATEMENT

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the instructions provided with the equipment, may cause interference to radio and TV reception. The equipment has been tested and found to comply with the limits for a Class A computing device in accordance with the specifications in Subpart B of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

If you suspect this equipment is causing interference, turn your hub on and off while your radio or TV is showing

interference. If the interference disappears when you turn the hub off and reappears when you turn the hub on, something in the hub is causing interference.

You can try to correct the interference by one or more of the following measures:

- Reorient the receiving radio or TV antenna where this may be done safely.
- To the extent possible, relocate the radio, TV or other receiver away from the equipment.
- Plug the computer which has the equipment installed into a different power outlet so that the equipment and the receiver are on different branch circuits.

- If necessary, you should consult the place of purchase or an experienced radio/television technician for additional suggestions.

SAFETY INFORMATION

1. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
2. This product should be operated from the type of power source indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
3. This product is equipped with a three-wire grounding-type plug, a plug having a third (grounding) pin. This plug will fit only into a grounding type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the purpose of the grounding-type plug.
4. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
5. If an extension cord is used with this product, make sure that the total ampere ratings of the products plugged into the extension cord do not exceed the extension cord ampere rating. Also make sure that the total of all products plugged into the wall outlet does not exceed 15 amperes.
6. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
7. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to service personnel.

TECHNICAL INFORMATION

Standards Compatibility

ISO/IEC 802.2-3
IEEE 802.3
IEEE 802.3u

Interfaces

RJ-45 fully-shielded connectors for 10Base-T and 100Base-TX Fast Ethernet

Physical

Length	219mm (8.62 in.)
Height	26mm (1.02 in.)
Depth	101mm (3.98 in.)
Weight	0.8kg (1.76lb)

Power Supply

Input Ratings	120 VAC @ 60Hz or 230 VAC @ 50Hz
Output Voltage	12VDC @ 1.2A
Power consumption	6.9 W

Environmental Specifications

Operating temperature	0° to 40°C
Storage temperature	-20° to 70°C
Operating Humidity	10% to 90% RH
Storage Humidity	10% to 95% RH

Electromagnetic Emission

FCC Class A, CE Class A and VCCI Class A

Safety Approval

UL/CUL, TUV

Five-Year Limited Warranty

Digi International warrants to the original consumer or purchaser that each of its products and all components thereof, will be free from defects in material and /or workmanship for a period of five years from the original factory shipment date. Any warranty hereunder is extended to the original consumer or purchaser and is not assignable.

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For prompt response when calling for service information, have the following information ready:

- Product serial number and rev
- Date of purchase
- Vendor or place of purchase

You can reach Digi LAN technical support at (408) 744-2751.

Or E-mail at sun-tech@digi.com



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