TE100-S55E*plus*

5-Port 10/100Mbps

NWay Auto-MDI

Fast Ethernet

Mini Switch

User's Guide

FCC Warning

This equipment has been tested and found to comply with the regulations for a Class B 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 can radiate radio frequency energy and, if not installed and used in accordance with this user's guide, 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 his own expense.

CE Mark Warning

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

VCCI Mark Warning

注意
この装置は、情報処理装置等電波障害自主規制協議会(VCCI)の基準に基づく第一種情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

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ABOUT THIS GUIDE

Congratulations on your purchase of the 5-Port 10/100M NWay Ethernet Mini Switch. This device integrates 100Mbps Fast Ethernet and 10Mbps Ethernet network capabilities in a highly flexible desktop package.

Purpose

This manual discusses how to install your 5-Port 10/100M NWay Ethernet Mini Switch.

Terms/Usage

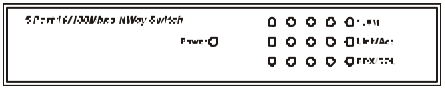
In this guide, the term "**Switch**" (first letter upper case) refers to your 5-Port 10/100M NWay Ethernet Mini Switch, and "**switch**" (first letter lower case) refers to other Ethernet switches.

EXTERNAL COMPONENTS

This section identifies all the major external components of the hub. Both the front and rear panels are shown followed by a description of each panel's features. The indicator panel is described in detail in the next chapter.

Front Panel

The figure below shows the front panels of the switch.



Power:

This indicator lights green when the hub is receiving power. This LED remains off for no power.

Link/Act:

This indicator lights green when the port is connected to an active Ethernet/Fast Ethernet device. The indicator blinks green when the port is transmitting or receiving data on the network.

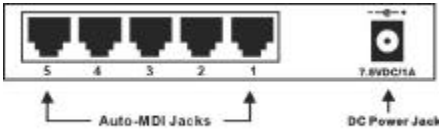
100M:

This indicator lights green when the port is connected to an active 100Mbps Fast Ethernet device. This LED is off when the connection is 10Mbps or there is no connection to the port.

FDX/COL:

This LED indicator lights green when a respective port is connected in full duplex (FDX) mode. This LED blinks green when collisions occur on the respective port.

Rear Panel



DC Power Jack:

Power is supplied through an external AC power adapter. Check the technical specification section for information about the AC power input voltage.

Since the Switch does not include a power on/off switch, plugging the power adapter into a power

outlet will immediately power on the Switch.

Auto-MDI Jacks (port 1~5):

These RJ45 jacks support automatic MDI-II/MDI-X crossover detection function. This feature avoids the confusion of using crossover cable and uplink port, which make the Switch a true “plug and play” device.

With the Auto-MDI function, you can connect each Switch port to another Ethernet device’s “regular port” or “uplink port” using regular “straight-through” RJ45 cable or “crossover” RJ45 cable.

TECHNICAL SPECIFICATIONS

General	
Standards	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet ANSI/IEEE 802.3 NWay Auto-negotiation IEEE 802.3x Full duplex Flow Control
Protocol	CSMA/CD
Data Transfer Rate	Ethernet: 10Mbps (half duplex) 20Mbps (full-duplex) Fast Ethernet: 100Mbps (half duplex) 200Mbps (full- duplex)
Topology	Star
Network Cables	10BASET: 2-pair UTP Cat. 3,4,5, EIA/TIA- 568 100-ohm STP (max. 100 meters) 100BASE-TX: 2-pair UTP Cat. 5, EIA/TIA-568 100-ohm STP (max. 100 meters)
Number of Ports	5 x 10/100Mbps NWay Auto-MDI ports

Physical and Environmental	
DC inputs	7.5VDC/1A
Power Consumption	7.5 watts. (max.)
Temperature	Operating: 0? ~ 50? C Storage: -10? ~ 70? C
Humidity	Operating: 10% ~ 90% Storage: 5% ~ 90%
Dimensions	116 x 70 x 25 mm (W x H x D)
EMI:	FCC Class B, CE Mark B, VCCI-B
Performance	
Transmission Method:	Store-and-forward
RAM Buffer:	128KBytes per device
Filtering Address Table:	4K entries per device
Packet Filtering/Forwarding Rate:	10Mbps Ethernet: 14,880pps 100Mbps Fast Ethernet: 148,800pps
MAC Address Learning:	Automatic update