8-Port 10/100Mbps NWay Switch

User Manual

Ver. 1.00

Introduction

The 8-Port NWay Switch is designed to for the needs of small enterprise and home networks. Its easy installation can boost network performance just in a couple of minutes. With its Auto-Negotiation capability, all ports can be configured to its optimum speed of 10/20Mbps or 100/200Mbps automatically. It eliminates bottlenecks and bandwidth constraints, optimizes network performance. Inevitably the 8-Port NWay Switch is your best choose to improve network performance with the highest performance/price ratio.

Key Features

- 10/100Mbps twisted-pair ports with Auto-negotiation.
- Bridging capability for 100Mbps and 10Mbps segments.
- Provides Store-and-Forward Switching Architecture.
- Supports Auto MDI/MDI-X.
- Supports IEEE802.3x Flow-Control Full-Duplex operation.
- Supports Back-Pressure Flow-Control Half-Duplex operation.
- 1M bits Packet Buffer.
- 1K entries Address Table.
- Eight RJ-45 Ports
- One Uplink Port

Packing List

Thank you for purchasing of this Switch. The package should contain the following items:

- One 8-Port Switch
- One AC/DC Power Adapter
- One User Manual
- Four rubber feet

If anything is missing, please contact your place of purchase.

Cabling

10Mbps

Category 3, 4, or 5 Twisted-Pair cable can be used for transmitting data at 10Mbps or 20Mbps bandwidth on 10BASE-T networks.

100Mbps

Only Category 5 Twisted-Pair cable can be used for transmitting data at 100Mbps or 200Mbps bandwidth on 100BASE-TX networks.

Networking

Connecting computers to Switch

1. Make sure all computers to be connected to the Switch have installed properly a network interface card.
2. Connect computer to the Switch with a twisted-pair cable. The cable should have RJ-45 plugs. Use Category 5 cable for all connections. Please pay attention to the length of each cable should be less than 100 meters.
3. Plug one end of the cable to the RJ-45 port of the computer's NIC. Plug the other end to any available port on the Switch.

Up linking to other Switch

1. Prepare a straight-through Category 5 twisted-pair cable with RJ-45 plugs. Make sure the cable does not longer than 100 meters.
2. Connect one end of the cable to the Switch's Uplink port.
3. Connect the other end of the cable to the other Switch's MDI-X port (in our Switch, Port 1 to Port 8 are MDI-X ports).

Alternatively, you can connect two Switches at both ends MDI-X ports with a crossover cable.

Please note that the UPLINK Port shares with Port 8. Only either of them can be used at a time, not both.

Status LEDs

LED	Color	State	Indication
POWER	Amber	On	Power is ON
SPEED	Green	On Off	Connection at 100Mbps Connection at 10Mbps
LINK/ACT	Green	On Off Flash	Valid Network Connection No Network Connection Sending/Receiving Data
FDX	Green	On Off	Full-Duplex Mode Half-Duplex Mode

Specifications

Model	8-Port 10/100Mbps NWay Switch
Access Method	CSMA/CD
Standards	IEEE802.3u 100BASE-TX IEEE802.3 10BASE-T
Media Support	10BASE-T 100-Ohm Cat. 3, 4, 5 twisted-pair 100BASE-T 100-Ohm Cat. 5 twisted-pair
Ports	8 RJ-45 + 1 Uplink Port
Bandwidth	100BASE-TX: 200/100Mbps via Auto-Negotiation 10BASE-T: 20/10Mbps via Auto-Negotiation
Switching Method	Store-And-Forward
Filtering/Forwarding Rate	100Mbps: 148800 packets/second 10Mbps: 14880 packets/second
Flow Control	Full Duplex – IEEE802.3x Half Duplex – Back Pressure
MAC Entry	1K entries
Packet Buffer	1M bits per system
Power Requirement	DC 6V/1A
Operating Temperature	0 to 45 degree C
Storage Temperature	-20 to 70 degree C
Humidity	10% to 90% non-condensing
Status LEDs	Port: 3 (SPEED, LINK/ACT, FDX) System: 1 (POWER)
Dimensions	161 x 84 x 26 mm
Certification	FCC Class A, CE Mark