



16 Port 10/100 Mbps Nway Switch RC412
User Manual

Introduction

The 16-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 16-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.
- 8K-entry MAC address lookup table
- 16(Sixteen) 10/100Mbps Auto-Detection ports

- Maximum 100m per port Hub-to-Hub or Node-to-Hub cable length

Package Contents

- 1 x 16-Port 10/100Mbps Switch
- 1 x AC/DC Power Adapter
- 1 x User Manual
- 4 x rubber feet

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.

Front Panel LED Indications

LED	Status	Description
Power	ON	Power On
Act	ON	A valid connection
	Blink	Receiving Packets

Specifications

Model	16-Port 10/100Mbps N-Way Switch
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	16 RJ-45 ports, auto-crossover
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	8K entries

Power Requirement	DC 9V/1A
Operating Temperature	0 to 50 degree C
Storage Temperature	-20 to 70 degree C
Humidity	10% to 90% non-condensing
Status LEDs	Per Unit: Power Per Port: Activity
Dimensions(W x H x D):	144 x 88 x 38 mm
Certification	FCC Class A, CE Mark

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