



5 port External Power Gigabit Switch RC409

User Manual

Introduction

RC409 is an five-port 10/100/1000Mbps unmanaged switch that features a non-blocking, full wire speed switching capacity, 802.3x flow control, Auto-negotiation, Auto MDI/MDI-X, and other advanced switching features. It delivers power, performance, and reliability in one cost-effective, space-saving design. Use it to increase the speed of your network server and backbone connections, or make Gigabit to the desktop a reality. Power users in the home, office, workgroup, or creative production environment can now move large, bandwidth-intensive file instantly. Designed using industry standards, it is compatible with virtually all 10, 100, and 1000Mbps Ethernet devices and other vendor equipment.

Package Cotents

- 1 x 5-Port Gigabit Switch
- 1 x AC/DC Power Adapter
- 1 x User Manual
- 4 x rubber feet

Features

- 5 Gigabit Ethernet Ports with No-blocking Wire-speed Performance
- One tri-speed RGMII/GMII
- 136 kilobytes on-chip frame buffer
- On-chip 8051 CPU
- Jumbo Frame Support at all speeds
- 8K MAC Address
- Full Duplex Flow Control(**IEEE Std 802.3x™**) and Half Duplex Back pressure

Front Panel LED Indications

LED	Status	Description
POWER	ON	Power On
1000M LINK/ACT	ON	A valid connection with 1000Mbps
	Blink	Receiving Packets
100M LINK/ACT	ON	A valid connection with 100Mbps
	Blink	Receiving Packets

Hardware Installation

This device will work with all OS' s because there is no configuration needed for this stand-alone device. This switch has auto MDI-X ports that will auto-sense the cable type that you are using for each port. The switch will then automatically change the polarity of the port as need to ensure a link with either a straight-through or crossover cable. Remember, if you have a link light then you are using the correct cable. When connecting to a Gigabit device a straight-through Ethernet cable will always be used. Gigabit does not use uplink ports or crossover Ethernet cables. This is because Gigabit uses all 5 wires of an Ethernet cable, instead of 4 wires like 10/100.

Product Specification	
Model	5-Port 10/100/1000Mbps Gigabit Switch
MAC Address Size	8K entries
Buffer Memory	136 KBytes on-chip frame buffer
Transmission Method	Store-and-forward
Status LEDs	Per Unit: Power Per Port: 1000 Link /Act and 100 Link/Act
Forwarding Rate	10Mbps – 14,880 pps/100Mbps – 148,810pps/ 1000Mbps – 1,488,100pps
Interface Options	
RJ-45	10BASE-T,100BASE-TX,1000BASE-T Universal UTP Cable Recognition for Straight-Through or Crossover Cables (MDI/MDI-X)
Network Protocol and Standards	
IEEE	802.3 Ethernet, 802.3u Fast Ethernet, 802.3u Fast Ethernet, 802.3x Flow Control & 802.3ab Gigabit Ethernet
Electrical & Electrical Emissions Summary	
Emissions	CE Mark, FCC Class A
Power Supply	DC Input: 5V, 2A
Environmental	
Operating Temperature: 50~131°F(10~55°)	
Operating Humidity: 10~95%(Non-condensing)	
Physical Specifications	
Dimensions(W × H × D): 16.1 x 8.3 x 2.6 cm	

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