

User Manual

GS-7305

GS-7308

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GS-7305 5-port Gigabit Ethernet Switch
GS-7308 8-port Gigabit Ethernet Switch

Product appearance and specifications are subject to change without notice.

Preface

This manual provides information related to the installation and operation of this device. The individual reading this manual is presumed to have a basic understanding of telecommunications terminology and concepts. If you find the product to be inoperable or malfunctioning, please contact Comtrend technical support.

Important Safety Instructions

With reference to unpacking, installation, use and maintenance of your electronic device, the following basic guidelines are recommended:

- Do not use or install this product near water, to avoid fire or shock hazard. For example, near a bathtub, kitchen sink or laundry tub, or near a swimming pool. Also, do not expose the equipment to rain or damp areas (e.g. a wet basement).
- Do not connect the power supply cord on elevated surfaces. Allow it to lie freely. There should be no obstructions in its path and no heavy items should be placed on the cord. In addition, do not walk on, step on or mistreat the cord.
- Use only the power cord and adapter that are shipped with this device.
- To safeguard the equipment against overheating, make sure that all openings in the unit that offer exposure to air are not blocked.
- Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning. Also, do not use the telephone to report a gas leak in the vicinity of the leak.



WARNING

- Disconnect the power line from the device before servicing.

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1. Introduction

The GS-7305/GS-7308 Gigabit Ethernet Switches are designed for small office, home office (SOHO) applications. They have five or eight 10/100/1000Mbps Auto-negotiation Ethernet ports, support auto MDI/MDIX and store-and-forward functionality to ensure proper packet forwarding. Plug and Play functionality makes setup hassle-free. In addition, each switch supports MAC address auto-learning and aging.

1.1 Switch Features

- Complies with IEEE802.3 10 Base-T, IEEE802.3u 100 Base-TX, IEEE802.3u 1000 Base-TX, IEEE802.3ab Fast Ethernet standards.
- Supports auto-negotiation, auto-detect data rates, and half and full-duplex modes.
- Provides five or eight 10/100/1000Mbps Auto-sensing RJ-45 ports and supports Auto MDI/MDI-X.
- Supports IEEE802.3x flow control for full-duplex and Backpressure flow control for Half-duplex.
- Supports non-blocking line speed forwarding.
- Supports store-and-forward switching.
- Supports MAC address auto-learning/aging function.

1.2 Package Contents

Please check each item carefully after you open the packaging:

- ◆ One 5/8-Port Gigabit Ethernet Switch
- ◆ One Power Adapter (DC 5V,1A)
- ◆ One User Guide

If any of the listed items are missing or damaged, please contact the reseller from whom you purchased for a replacement.

1.3 Front and Rear Panel Specifications

The front panel of the GS-7305 and GS-7308 Gigabit Ethernet Switches include Link/Act indicators and one power indicator. Please refer to the detailed description of these indicators in the LED Indicator Specifications section.

The rear panel of the Switch includes five or eight 10/100/1000Mbps RJ-45 Gigabit Ethernet ports. The power port is where you will connect the external power adapter (it is located on the rear of the switch).

Notice: Only use the included power supply. Using any other power supply may permanently damage the Switch.

1.4 LED Indicator Specifications

The LED indicators on the Switch include Power and Link/Act.

The following chart shows the LED indicators of the Switch along with an explanation of each indicator.

LED	Color	Status	Description
Power	Green	ON	This indicator is lit when the Switch is powered on.
	—	OFF	If this indicator is not lit, please check the AC power connector to ensure the correct connection of the power adapter.
Link/Act	Green	ON	Indicates the Switch is connected at 1000Mbps.
		Blinking	Indicates the Switch is transmitting/receiving data packets at 1000Mbps.
	Orange	ON	Indicates the Switch is connected at 10/100Mbps.
		Blinking	Indicates the Switch is transmitting/receiving data packets at 10/100Mbps.

2. Installation

2.1 Before Connecting to the Network

Before connecting the GS-7305/GS-7308 to the network, please pay attention to the following instructions:

- Do not put anything on top of the Switch. Place on a hard, flat surface.
- Power sockets and equipments should be within 5 feet of the Switch.
- Check power supply to confirm a safe and secure connection.
- Make sure there is adequate space for proper heat dissipation and adequate ventilation around the Switch.

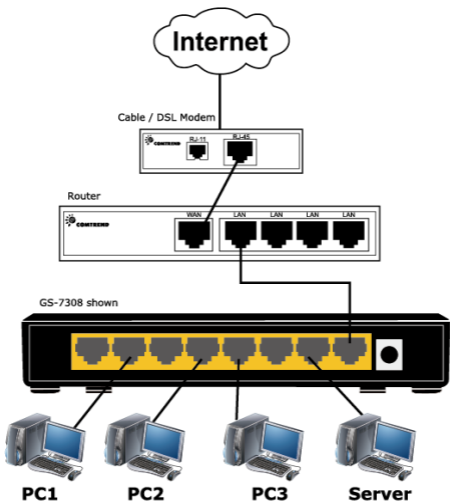
2.2 Connecting to End Nodes

Use a standard Ethernet cable to connect the Switch to end nodes as described below. Switch ports will automatically adjust to the characteristics (MDI-II/MDI-X, speed, duplex) of the device to which it is connected.



Switch connecting to an end node

2.3 Switch to Router or Switch



Connecting to another router or switch

3. Product Specification

Standards	IEEE802.3 10Base-T IEEE802.3u 100 Base-TX IEEE802.3ab 1000 Base-T IEEE802.3ab
Topology	Star
Network Cables	10 BASE-T: UTP category 5 cable (maximum 100m) 100 BASE-T: UTP category 5 cable (maximum 100m) 1000 BASE-T: UTP category 5e ,6cable (maximum 100m)
Speed	10/100/1000Mbps
Transmission Method	Store-and-forward
MAC Address Learning	Self-learning, auto-aging
Power	External universal power supply
DC Input	DC 5V 1A
Power Consumption	2.3W (GS-7305) 4W (GS-7308)
Operating Temperature	0°C ~40°C
Storage Temperature	-40°C ~70°C
Operating Humidity	10%~90% RH (non condensing)
Storage Humidity	5%~90% RH (non condensing)

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