Global Systems Solutions

UNICOM™

MicroGST/5
MicroGST/8

5 or 8 Port 10/100/1000Base-TX Switch

GEP-32005T-2
GEP-32008T-2

USER'S MANUAL

Package Contents

Package contents include the following:

- **MicroGST/5 or MicroGST/8**
- DC power adapter
- Four (4) adhesive-backed rubber feet
- User's manual
- Warranty card

| MicroGST/5 or 8 | User's Guide | Rubber feet | Power Adapter |

Figure 1. Contents of package

IMPORTANT: If any piece is missing or damaged, please contact your local dealer or reseller for service.

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For Your Records

Product Name: _____

_____

Serial Number: _____

Date of Purchase: _____

Purchased from: _____

Notes: _____

_____

_____

Introduction

The **MicroGST/5 or MicroGST/8** is a compact Gigabit Ethernet desktop switch that provides wire-speed, a Gigabit Ethernet switching function which allows high-performance, low-cost connections to 10Mbps, 100Mbps and 1000Mbps Ethernet networks. The **MicroGST/5 or MicroGST/8** delivers all the advantages of a switching hub in a compact desktop size and is ideal for small office or SOHO network users. It's also wall mountable which conserves office space.

This switch provides **5** or **8** auto-sensing 10/100/1000Mbps Ethernet RJ-45 ports which automatically detect the speed of the devices that you plug into them. This switching function allows 10Mbps, 100Mbps, 1000Mbps Full/Half-duplex devices to communicate on the same network without having to replace any infrastructure. This flexible feature allows your network a timely, economical migration to 1000Mbps Gigabit Ethernet.

Key Features

- Conforms to IEEE802.3, 802.3u, 802.3x, 802.3ab
- Automatic MDI/MDIX crossover for all ports
- N-Way Auto-negotiation for 10/100/1000Mbps transmissions
- Space-saving compact size
- Store-and-Forward switching architecture
- Auto-detection of full/half-duplex mode in all ports
- Plug-and-Play configuration auto address learning
- LED indicators for Power, Link/activity and 1000M

NEW Lifetime Warranty

For full coverage of your warranty, be sure to register your product using the enclosed registration card.

Hardware Description

The Front Panel

The front panel consists of LED Indications.

LED Indicators

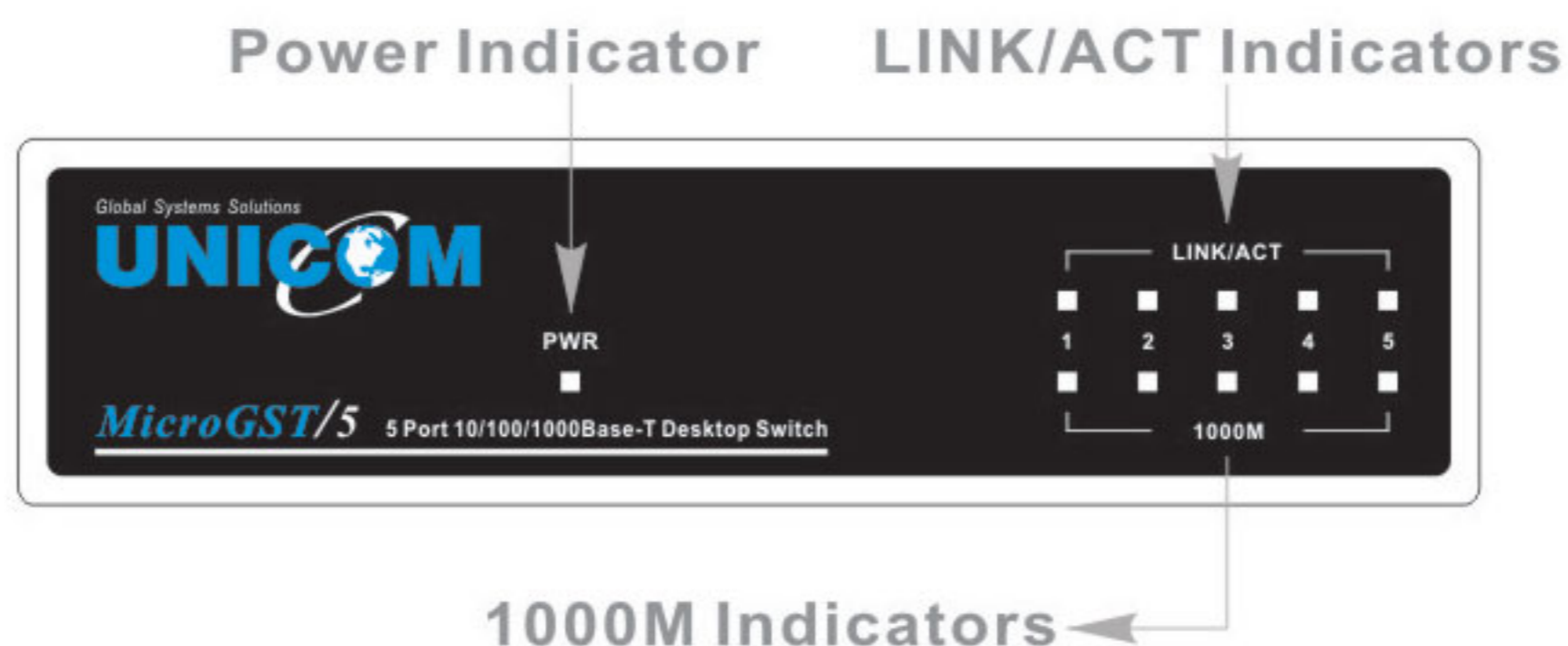Per Device: Power
Per Port: LINK/ACT (Link/Activity)

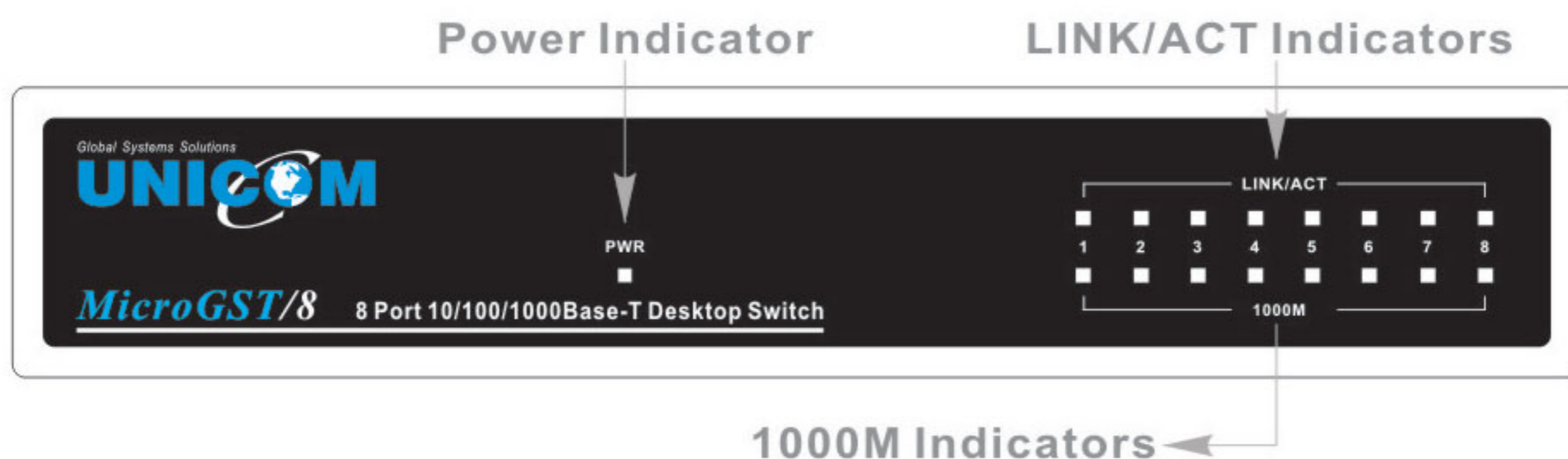Figure 2.   Front panel view of **MicroGST/5**

Figure 3.   Front panel view of **MicroGST/8**

LED	Status	Color	Description
Power	On	Green	The switch is supplied with suitable power.
LINK/ACT	Blinks	Green	The port is receiving or transmitting data.
1000M	On	Green	The port is connecting at 1000Mbps.

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The Real Panel

The rear panel view of the MicroGST/5 and MicroGST/8 consists of a DC power connector and 5 auto-sensing ports.
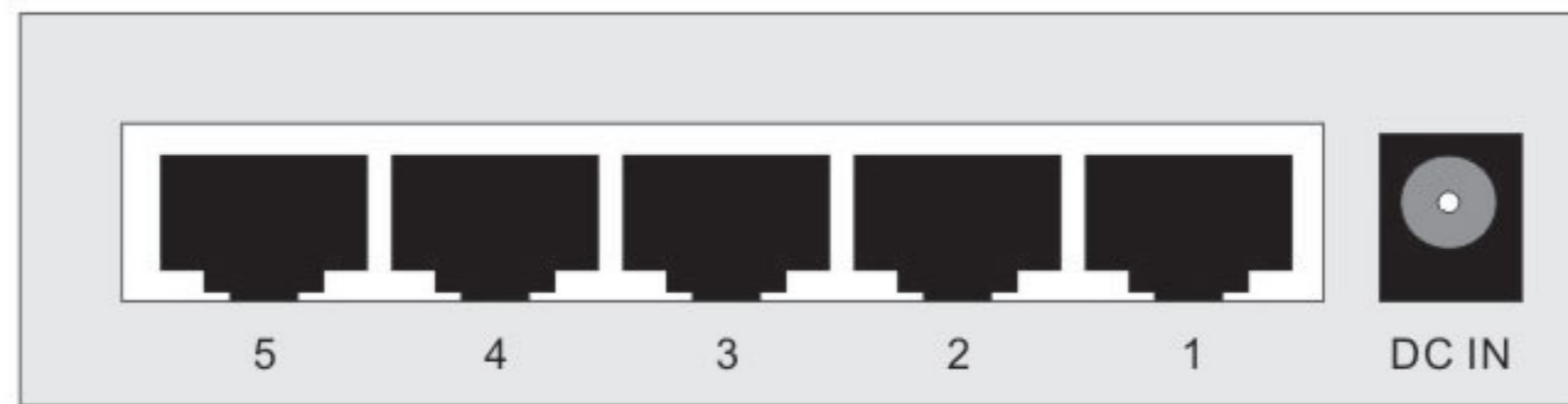

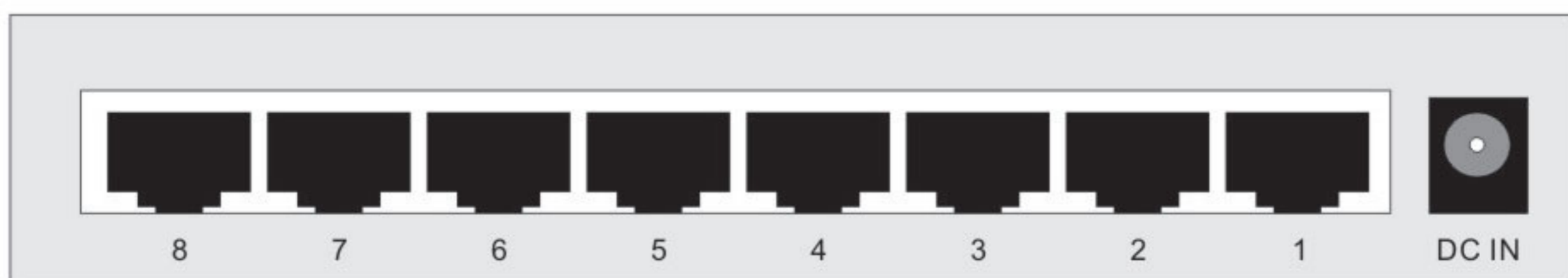Figure 4.   Rear panel view of the **Micro-Switch/5**

Figure 5.   Rear panel view of the **Micro-Switch/5**

■   RJ-45 Ports (Auto MDI/MDIX)
5 or 8 auto-sensing ports of 10Base-T, 100Base-TX or 1000Base-TX connections. [*In general, MDI means connecting to another Hub or Switch while MDIX means connecting to a workstation or PC. Therefore, Auto MDI/MDIX means that you can connect to another Switch or workstation without changing pin-to-pin or crossover cabling.*]

■   DC Power Connector
Plug the female connector into the switch and male connector into a power outlet. **Supports input voltages 9VDC at 1000 mA.**

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Troubleshooting

The Switch can be easily monitored through panel indicators to assist in identifying problems. This section describes common problems you may encounter and possible solutions.

■ *Power*

If the power indicator does not light when the power cord is plugged in, you may have a problem with the power outlet or cord. However, if the power LED goes off after running for a while, check for loose power connections, power losses or surges at the power outlet. Turn off power, wait 30 seconds and turn power on again. If problem is still not resolved call for dealer's assistance

■ *Diagnosing LED Indicators*

If link indicator does not light after making a connection, check whether network interface (e.g., a network adapter card on the attached device), network cable, or switch port is defective. Be sure the cable is plugged into both the switch and corresponding device. Verify the proper cable type is used and its length does not exceed specified limits.

■ *Cabling*

Verify that the cabling type is correct. Make sure all cable connectors are securely seated in the required ports. Use only standard Unshielded Twisted-Pair (UTP), Category 3, 4, 5, or 5e cables. Use only Category 5 or 5e when connecting with Fast Ethernet. Make certain the maximum distance between the Switch and what it's connected to is 100 meters or less.

NOTE: Do not plug a standard telephone cord into an RJ-45 port. This may damage the switch

Product Specifications

■ **MicroGST/5** (5-Port 10/100/1000Base-TX Gigabit Ethernet Switch)

Ports:	5-Port 10/100/1000Base-TX
MAC Address:	2K Mac address table
Jumbo Frame:	9KB
LED Indicator:	Per port: Link/Activity and 1000M
	Per unit: Power
Dimension:	92mm x 68mm x 24mm (W x D x H)
Operating Temp:	0℃ to 45℃ (32℉ to 113℉)
Operating Humidity:	10% to 90% (Non-condensing)
Power Consumption:	5.8 Watt @ AC 240V/60Hz (Maximum)
EMI:	FCC Class B, CE

■ **MicroGST/8** (8-Port 10/100/1000Base-TX Gigabit Ethernet Switch)

Ports:	8-Port 10/100/1000Base-TX
MAC Address:	4K Mac address table
Jumbo Frame:	9KB
LED Indicator:	Per port: Link/Activity and 1000M
	Per unit: Power
Dimension:	137mm x 74mm x 24mm (W x D x H)
Operating Temp:	0℃ to 45℃ (32℉ to 113℉)
Operating Humidity:	10% to 90% (Non-condensing)
Power Consumption:	6.8 Watt @ AC 240V/60Hz (Maximum)
EMI:	FCC Class B, CE

FCC Statement

This equipment has been tested and found to comply with the limits for a class B device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with instructions, may cause harmful interference with 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 the user's expense.