

ASUS QG-U1050

ASUS QG-U1050 5-Port 2.5G Unmanaged Switch User Manual

INTRODUCTION

This manual provides instructions for the ASUS QG-U1050 5-Port 2.5G Unmanaged Switch. It covers product features, setup procedures, operational guidance for intelligent modes, maintenance tips, troubleshooting steps, and technical specifications. Please read this manual thoroughly before using the device to ensure proper operation and to maximize its performance.

PRODUCT OVERVIEW

Key Features

- **Upgraded 2.5G Ports:** Provides five 2.5 Gigabit Ethernet ports for enhanced network performance using standard CAT5e cables.
- **Four Intelligent Functions:** Supports Priority, Energy Efficient Ethernet (EEE), Port Isolation, and Static Trunk modes to optimize network traffic and security.
- **Plug and Play:** Requires no complex configuration for immediate use.
- **Versatile Connectivity:** Compatible with 2.5G-capable devices such as NAS, Access Points (AP), Gaming PCs, and 4K streaming devices.

Package Contents

- ASUS QG-U1050 Switch
- Power Adapter
- Quick Start Guide
- Warranty Card

One Click, Instant Transformation 4 intelligent modes to enhance networking applications



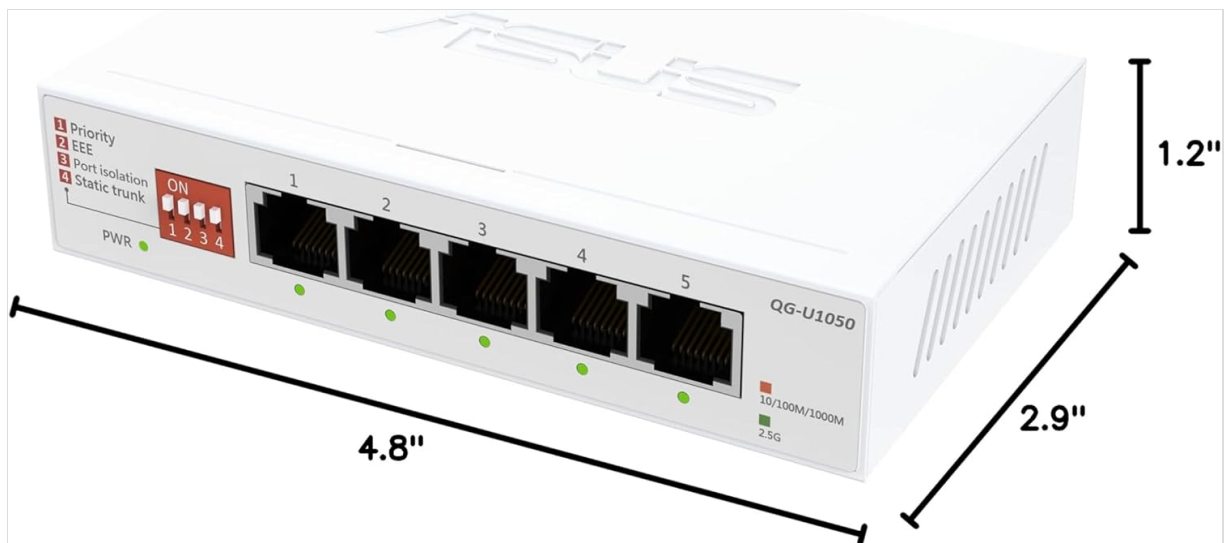
Priority

Port
Isolation

EEE

Static
Trunk

Front view of the ASUS QG-U1050 switch, displaying its five 2.5G Ethernet ports, power indicator LED, and the four DIP switches for intelligent mode selection.



Physical dimensions of the ASUS QG-U1050 switch, measuring 4.8 inches in length, 2.9 inches in width, and 1.2 inches in height.

SETUP INSTRUCTIONS

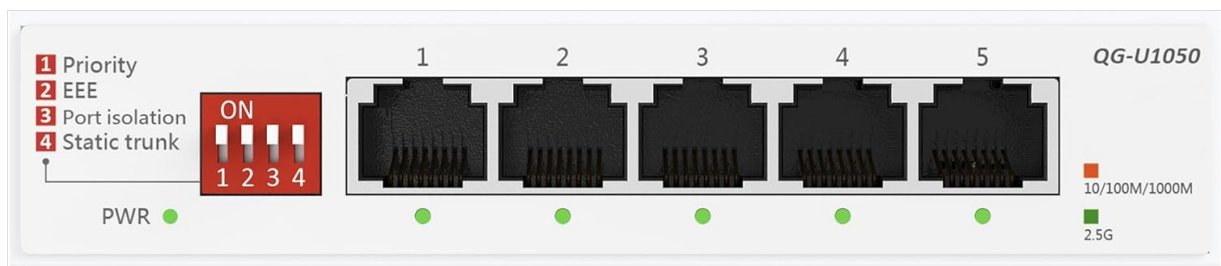
The ASUS QG-U1050 switch is designed for easy plug-and-play installation, requiring no software configuration.

1. Connecting the Power Adapter

1. Connect the provided power adapter to the DC-in port on the rear panel of the QG-U1050 switch.
2. Plug the power adapter into a standard electrical outlet. The Power LED on the front panel will illuminate, indicating the device is powered on.

2. Connecting Network Devices

1. Use standard Ethernet cables (CAT5e or higher recommended for 2.5G speeds) to connect your network devices (e.g., computers, NAS, routers, gaming consoles) to any of the five RJ45 ports on the front panel of the switch.
2. The corresponding Link/Activity LED for each connected port will light up, indicating an active connection. A green LED indicates a 2.5G connection, while an orange LED indicates a 10/100/1000Mbps connection.



A visual guide demonstrating the straightforward connection process: plug in the power adapter and connect your network devices to the switch.

ASUS

Most Awarded Brand

13 YEARS RUNNING



8 YEARS SELECTED



No. 1

- Home WiFi Routers Overall
- Standalone Home WiFi Routers
- WiFi Mesh Network Systems
- Routers for Home Offices

This diagram illustrates how the ASUS QG-U1050 switch upgrades a network from 1 Gigabit to 2.5 Gigabit speeds, offering a 250% increase in data transfer rate for devices like a WiFi 6 Access Point.



An overview of compatible devices for the ASUS QG-U1050 switch, highlighting its versatility for both 2.5G and 1G connections, including gaming PCs, NAS, 4K video devices, and standard office equipment.

OPERATING INSTRUCTIONS: INTELLIGENT MODES

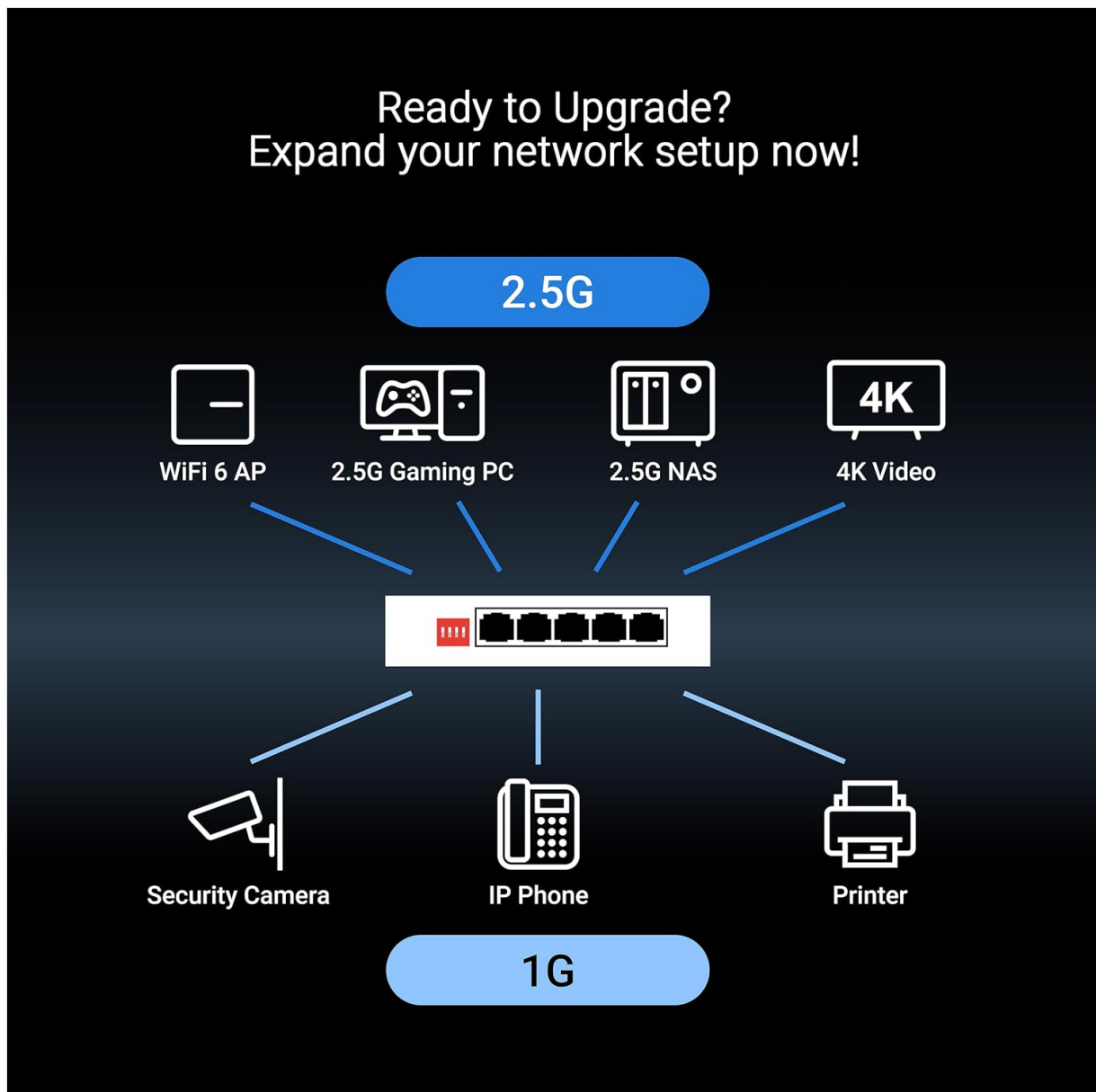
The ASUS QG-U1050 features four intelligent modes that can be activated via DIP switches on the front panel to optimize network performance for specific scenarios.

Understanding the Intelligent Modes

- **1. Priority:** Prioritizes traffic on specific ports to ensure critical applications (e.g., gaming, video conferencing) receive sufficient bandwidth.
- **2. EEE (Energy Efficient Ethernet):** Reduces power consumption during periods of low network activity, contributing to energy savings.
- **3. Port Isolation:** Isolates traffic between ports, enhancing security by preventing direct communication between connected devices, except through an uplink port.
- **4. Static Trunk:** Combines multiple physical links into a single logical link, increasing bandwidth and providing redundancy.

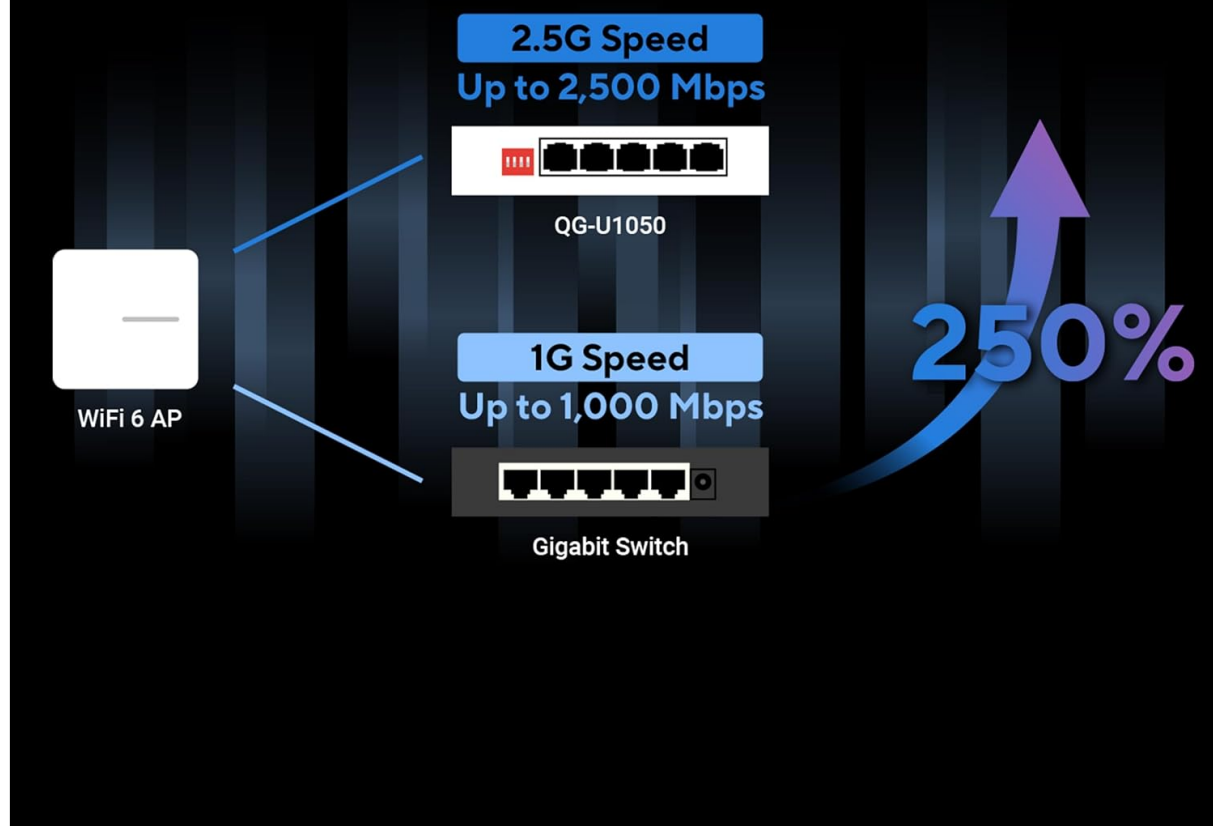
Activating Intelligent Modes

The four DIP switches on the front panel correspond to the four intelligent modes. To activate a mode, slide its corresponding switch to the 'ON' position. To deactivate, slide it to the 'OFF' position.



A detailed view of the DIP switches on the ASUS QG-U1050, clearly showing the labels for each of the four intelligent functions: Priority, EEE, Port Isolation, and Static Trunk.

Upgrade to the 2.5G Ultra-Fast Network



This diagram illustrates the activation of the four intelligent modes (Priority, EEE, Port Isolation, Static Trunk) on the ASUS QG-U1050 switch using the physical DIP switches.

MAINTENANCE

To ensure the longevity and optimal performance of your ASUS QG-U1050 switch, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the exterior of the switch with a soft, dry cloth. Avoid using liquid cleaners or aerosols, which can damage the device.
- **Placement:** Place the switch in a well-ventilated area, away from direct sunlight, heat sources, and excessive moisture. Ensure there is adequate space around the device for proper airflow.
- **Cable Management:** Keep network cables organized and free from kinks or excessive bending to prevent signal degradation.
- **Power Supply:** Use only the original power adapter provided with the switch.

TROUBLESHOOTING

If you encounter issues with your ASUS QG-U1050 switch, refer to the following common troubleshooting steps:

No Power

- Ensure the power adapter is securely connected to both the switch and a working electrical outlet.
- Verify that the power outlet is functional by plugging in another device.
- Check if the Power LED on the switch is illuminated.

No Link/Activity Light

- Confirm that the Ethernet cable is securely plugged into both the switch port and the connected device.
- Try a different Ethernet cable to rule out cable failure.
- Ensure the connected device (e.g., computer, router) is powered on and its network adapter is enabled.
- If connecting to a 2.5G device, ensure the device's network adapter supports 2.5G speeds.

Slow or Intermittent Connection

- Verify that all connected devices and cables support 2.5G speeds to achieve optimal performance. Using older CAT5 cables may limit speed.
- Check for network congestion. If many devices are actively using the network, performance may be affected.
- Ensure the switch is placed in an area with good ventilation to prevent overheating, which can impact performance.
- If experiencing random connection drops, try resetting the switch by unplugging and replugging the power adapter. If the issue persists, consider testing with different cables or connecting devices directly to your router to isolate the problem.
- Review the activated intelligent modes. For example, Port Isolation might restrict expected network communication.

TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	ASUS
Model Number	QG-U1050
Number of Ports	5 x 2.5G RJ45 Ports
Switch Type	Unmanaged
Data Transfer Rate	Up to 12.5 Gigabits Per Second (total switching capacity)
Interface	RJ45
Intelligent Modes	Priority, EEE, Port Isolation, Static Trunk
Compatible Devices	2.5G Gaming PC, 2.5G NAS, 4K Video, IP Phone, Printer, Security Camera, WiFi6 AP
Voltage	12 Volts
Upper Temperature Rating	40 Degrees Celsius

Feature	Specification
Item Dimensions (L x W x H)	4.8" x 2.9" x 1.2"
Item Weight	8 ounces

WARRANTY AND SUPPORT

Warranty Information

The ASUS QG-U1050 switch comes with a 3-year limited warranty. Please refer to the included Warranty Card for detailed terms and conditions, including coverage and limitations.

Technical Support

For further assistance, technical support, or warranty claims, please visit the official ASUS support website or contact their customer service. Contact details can typically be found on the ASUS website or in the Quick Start Guide.