NICGIGA GS0822P

NICGIGA GS0822P 12-Port Gigabit Unmanaged PoE+ Switch

Model: GS0822P | Brand: NICGIGA

Product Overview

The NICGIGA GS0822P is a high-performance 12-port Gigabit Unmanaged PoE+ Switch designed for reliable network expansion. It features 8 Power over Ethernet Plus (PoE+) ports, 2 Gigabit uplink ports, and 2 SFP ports, providing flexible connectivity for various network devices.

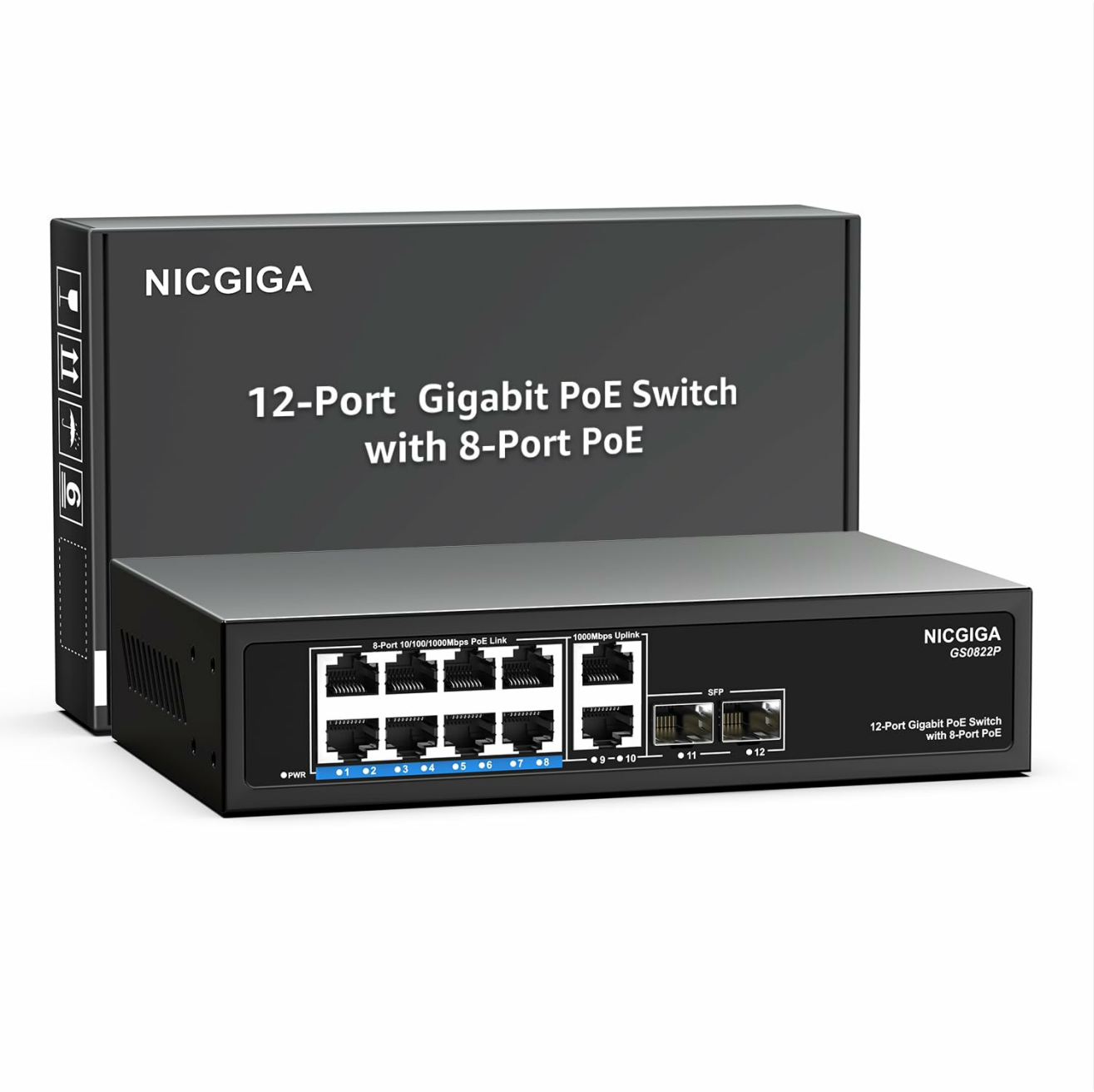

Image: Front and rear view of the NICGIGA GS0822P switch, highlighting the 8 PoE+ ports (1-8), 2 Gigabit uplink ports (9-10), and 2 SFP ports (11-12), along with the built-in 120W power supply.

This switch supports IEEE 802.3af/at standards, delivering up to 30W per PoE+ port with a total power budget of 120W, making it ideal for powering IP cameras, IP phones, and wireless access points. Its unmanaged plug-and-play design ensures easy installation without complex configuration.

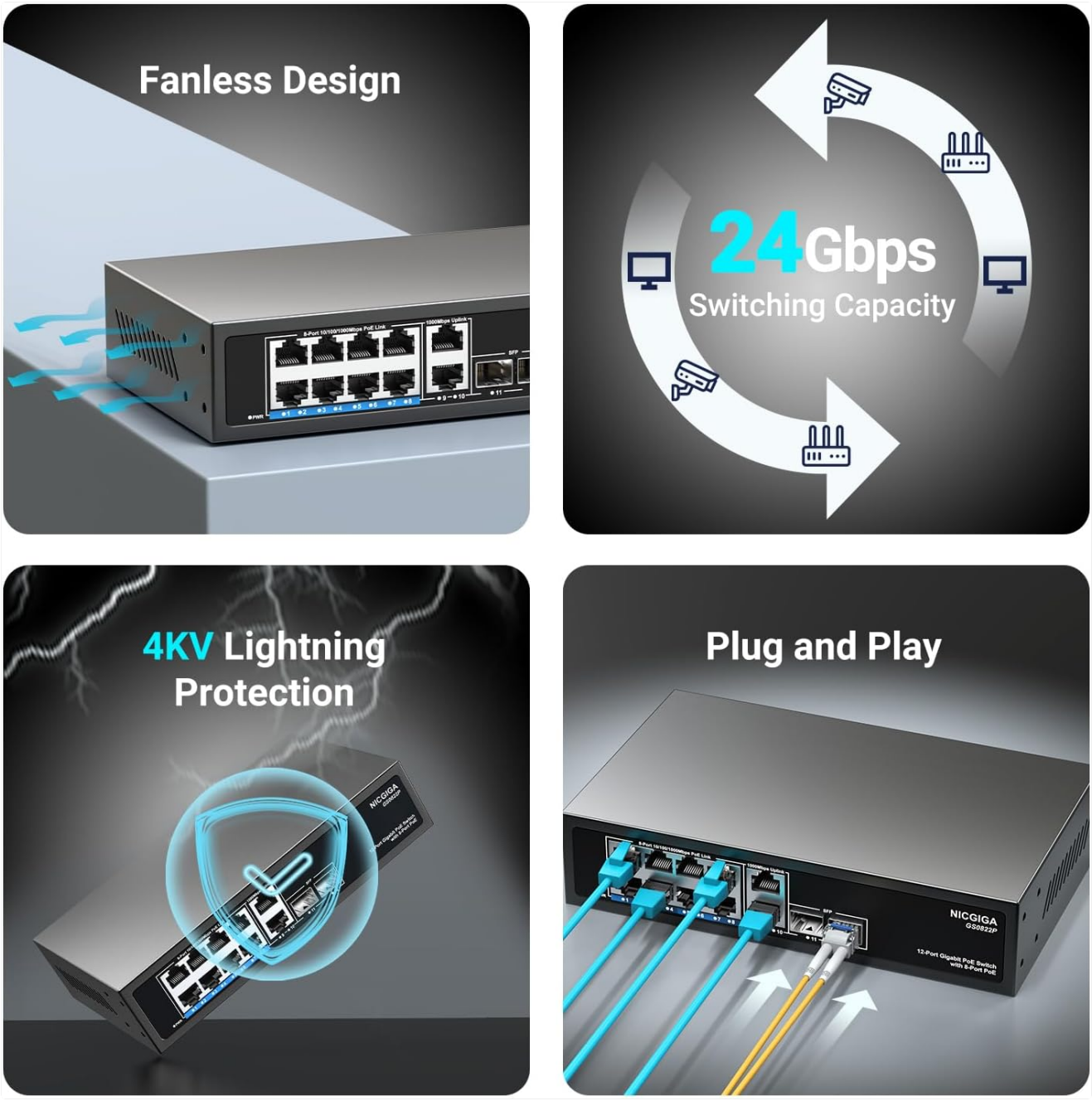

Image: Visual representation of key features including fanless design for silent operation, 24Gbps switching capacity for high data throughput, 4KV lightning protection for enhanced durability, and plug-and-play functionality for easy setup.

Package Contents

Please verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- NICGIGA GS0822P PoE Switch
- Power Adapter
- Quick Start Guide
- Mounting Screws (for wall-mount option)

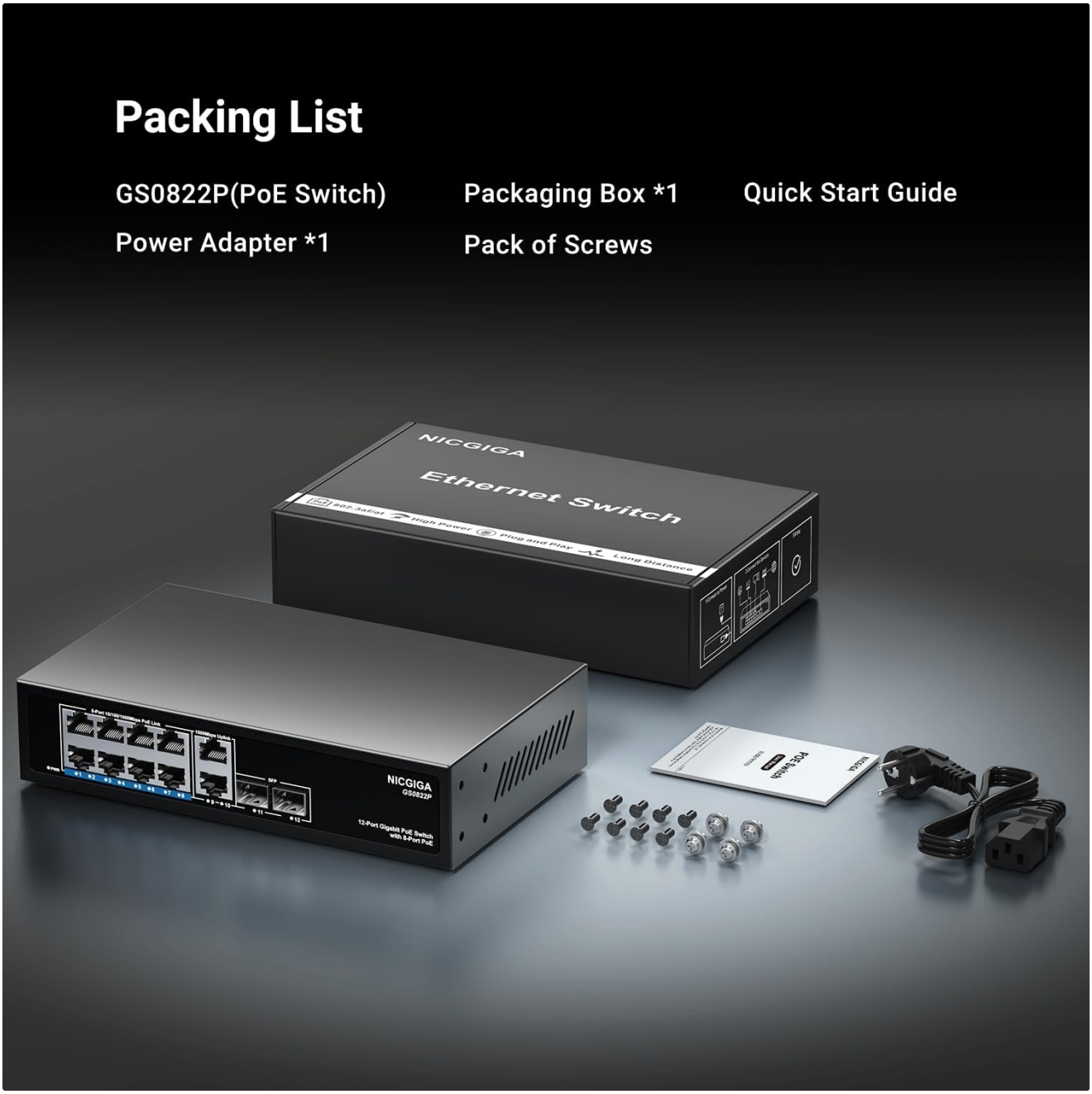

Image: The NICGIGA GS0822P switch, its power adapter, quick start guide, and a pack of screws, laid out next to the product packaging box.

Setup Instructions

Follow these steps to set up your NICGIGA GS0822P PoE+ Switch:

1. **Unpack the Switch:** Carefully remove the switch and all accessories from the packaging.
2. **Placement:** Place the switch on a stable, flat surface (desktop) or mount it to a wall using the provided screws. Ensure adequate ventilation around the device.
3. **Connect Power:** Connect the power adapter to the switch's power input port and then plug the adapter into a standard AC power outlet (100-240V). The power LED indicator on the switch should illuminate.
4. **Connect Uplink Devices:** Connect your router, NVR, or other network backbone devices to the uplink ports (ports 9-10) using standard Ethernet cables. Alternatively, use SFP modules in ports 11-12 for fiber optic connections to compatible SFP devices.
5. **Connect PoE Devices:** Connect your PoE-compatible devices (e.g., IP cameras, IP phones, wireless APs) to the PoE+ ports (ports 1-8) using Ethernet cables. The switch will automatically detect and power these

devices.

6. **Connect Non-PoE Devices:** For non-PoE network devices (e.g., computers, printers), connect them to any of the available PoE+ ports (1-8) or uplink ports (9-10). The switch will provide data connectivity without power.

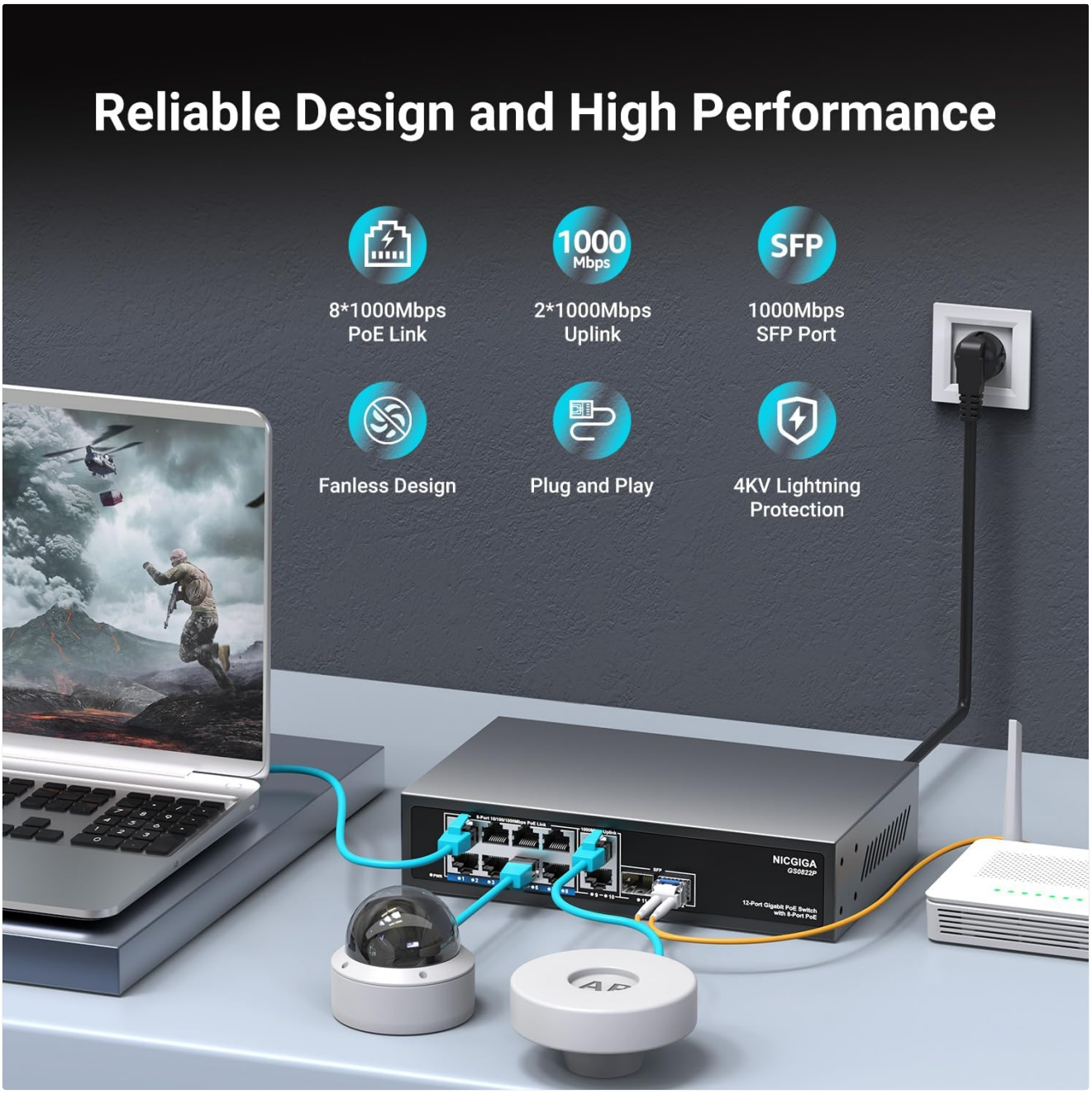

Image: An example setup showing the NICGIGA GS0822P switch connected to a laptop, an IP camera, and a wireless access point, demonstrating typical network integration.

Operating Instructions

The NICGIGA GS0822P is an unmanaged switch, meaning it operates automatically without requiring any software configuration. Once connected, it will begin functioning immediately.

PoE+ Functionality

- The 8 PoE+ ports (1-8) automatically detect and supply power to IEEE 802.3af/at compliant Powered Devices (PDs).
- Each PoE+ port can deliver up to 30W of power. The total PoE power budget for the switch is 120W.
- **Important:** This switch supports 48V PoE. It does**not** support 12V or 24V passive PoE. Connecting

incompatible devices may cause damage.

Uplink and SFP Ports

- The 2 Gigabit uplink ports (9-10) are standard RJ45 ports for connecting to routers, other switches, or network backbone devices.
- The 2 SFP ports (11-12) allow for fiber optic connections, extending network reach and providing higher bandwidth. Use compatible SFP modules (not included) for these ports.

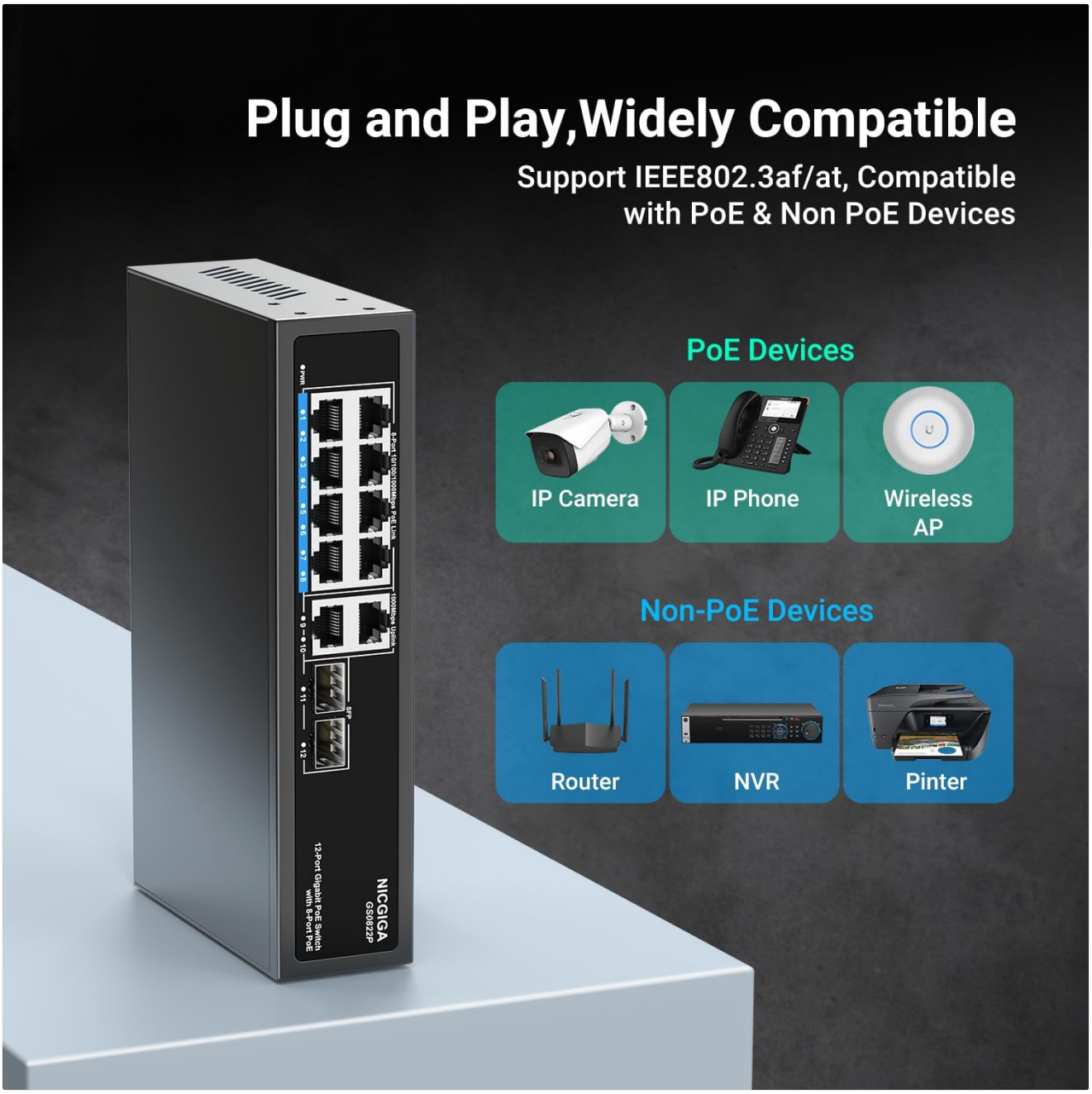

Image: Diagram illustrating the NICGIGA GS0822P switch's compatibility with various devices, categorizing them into PoE devices (IP Camera, IP Phone, Wireless AP) and Non-PoE devices (Router, NVR, Printer).

Maintenance

To ensure optimal performance and longevity of your NICGIGA GS0822P switch, follow these maintenance guidelines:

- **Ventilation:** Ensure the switch is placed in a well-ventilated area. Although it features a fanless design and metal casing for efficient heat dissipation, avoid obstructing the ventilation holes.

- **Cleaning:** Periodically clean the exterior of the switch with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Power Cycle:** If the switch experiences issues, a simple power cycle (unplugging and replugging the power adapter) can often resolve minor problems.
- **Cable Management:** Keep network cables organized and free from kinks or excessive bends to prevent signal degradation.
- **Environmental Conditions:** Operate the switch within its specified temperature and humidity ranges to prevent damage.

Troubleshooting

If you encounter issues with your NICGIGA GS0822P switch, refer to the following common troubleshooting steps:

- **No Power:**
  - Check if the power adapter is securely connected to both the switch and the power outlet.
  - Verify that the power outlet is functional.
- **No Network Connectivity:**
  - Ensure all Ethernet cables are properly connected to both the switch and the devices.
  - Check the link/activity LEDs on the switch ports; they should be lit or blinking for active connections.
  - Test with different Ethernet cables to rule out cable faults.
  - Verify that the connected devices (router, PC, etc.) are functioning correctly.
- **PoE Device Not Receiving Power:**
  - Confirm that the device is IEEE 802.3af/at compliant. This switch does not support 12V/24V PoE.
  - Check the PoE status LED for the specific port.
  - Ensure the total PoE power budget of 120W is not exceeded by all connected PoE devices.
  - Try connecting the PoE device to a different PoE+ port.
- **SFP Port Issues:**
  - Ensure the SFP module is correctly inserted and compatible with the switch.
  - Verify the fiber optic cable is properly connected and undamaged.
  - Check the link status on both ends of the SFP connection.
- **Slow Network Speed:**
  - Ensure all connected devices and cables support Gigabit Ethernet for optimal performance.
  - Check for excessive network traffic or loops.

If problems persist after trying these steps, please contact NICGIGA technical support for further assistance.

Specifications

Feature	Description
Model Number	GS0822P (12 Port Gigabit | 8x PoE+ 120W + 4x Uplink)

Feature	Description
Brand	NICGIGA
Number of Ports	12 (8x PoE+ RJ45, 2x Gigabit Uplink RJ45, 2x 1G SFP)
PoE Standard	IEEE 802.3af/at (48V)
PoE Power Per Port	Up to 30W
Total PoE Power Budget	120W
Data Transfer Rate	1 Gigabit per second (10/100/1000Mbps)
Switching Capacity	24 Gbps
Interface Type	RJ45, SFP
Compatible Devices	IP Camera, Computer, Wireless Access Point, IP Phone
Lightning Protection	4KV
Design	Fanless, Metal Casing
Installation	Desktop, Wall-mount
Color	Black
Item Weight	1.02 Kilograms
UPC	790885828935

Warranty and Support

NICGIGA stands behind the quality and performance of its products. The GS0822P PoE+ Switch comes with a **one-year warranty** from the date of purchase.

Additionally, NICGIGA provides **lifetime technical support** for this product. If you encounter any issues, have questions about installation, or require assistance with troubleshooting, please do not hesitate to contact our support team.

For warranty claims or technical assistance, please visit the official NICGIGA website or refer to the contact information provided in your Quick Start Guide.