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INFRASTRUCTURE

Essential Series

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Naxos801-G

8-PORT GIGABIT DESKTOP SWITCH

Model: **NSW-N801G**

Copyright statement

Note: The diagrams included in this manual are not exact visual reproductions of the actual product. They are abstract, schematic representations designed to illustrate the most general or relevant aspects of the product, its installation and use. The product may therefore present slight variations in its appearance, without affecting its functionality or performance.

Safety measures.

Warning:

- In a residential environment, running this device may cause radio interference.
- Please do not place the switch near water or damp places and prevent water or moisture from entering the switch housing.
- Ensure that the working environment of the switch is clean. Excessive dust may cause electrostatic adsorption, which not only affects the service life of the device, but also easily causes communication faults.
- To avoid the danger of electric shock, please do not open the case when the switch is working. Do not open the case of the commutator on your own, even if it is not charged.
- Insert the power module into the chassis in the correct direction according to the installation instructions. Otherwise, the device cannot be powered on.
- Pluggable power modules of different specifications cannot be mixed into the same device.
- Before cleaning the switch, remove the power plug from the switch. Do not use liquid to clean the switch and do not wipe it with a wet piece of cloth.

1. INTRODUCTION

Energy-efficient internet for next-gen networks

Upgrade your local wired network with our **8-Port Gigabit Desktop Switch**, boosting high performance network connectivity along with advanced internet capabilities. Featuring five gigabit Ethernet auto-sensing ports, which automatically optimize speed for each connected device and allows you to send large files to servers, drives, and printers at gigabit speed, this plug-and-play unmanaged switch is a most convenient solution for expanding your office or home local network.

1.1 Features

- Blazing gigabit speeds: Eight (8) 10/100/1000Mbps RJ45 ports with auto-negotiation functions.
- Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3i and IEEE 802.3az standards.
- Green Ethernet technology: IEE 802.3az reduces energy consumption.
- LED indicators for monitoring power, link, activity.
- Fanless design: Passive cooling ensures quiet operation.
- Plug and play, easy to install.
- Sleek, compact plastic housing for wall mounting or desktop installation.

1.2 Package contents

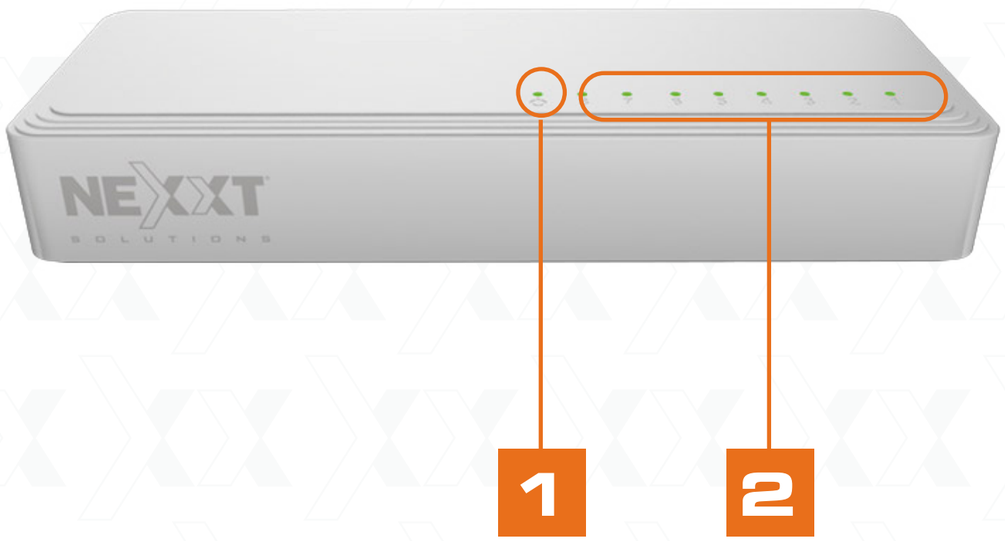
Upon opening the box, ensure that the following items are included:

- 8-port switch
- Power adapter

If any of the above-listed items is missing or damaged, please contact the reseller who you purchased the switch from for a replacement.

1.3 Front and rear panel overview

The front panel of the switch includes Link/Act indicators and one power/connected indicator. Please refer to the detailed description of these indicators on the LED chart. The top panel of the switch features five 10/100/1000Mbps RJ45 ports. The DC power jack is located on the left side of the device.



1. Power indicator
2. Gigabit ethernet LED status indicators
3. 1/2/3/4/5/6/7/8 Gigabit Ethernet RJ45 ports
4. DC input

Caution: Please use the supplied power adapter only. The use of another adapter may damage the switch and void the warranty.

2. LED INDICATORS

The LED indicators of the switch provide information about the power and link status of each corresponding port. These indicators also facilitate the monitoring and troubleshooting of the device.

3. INSTALLATION

LED indicator	Color	Status	Description
1. Power	Green	On	The switch is powered on
		Off	The switch is not connected properly to the power supply, or the unit is malfunctioning
2. Link/Act	Orange	On	A client device is connected to the corresponding port
		Blinking	The corresponding port is correctly connected and actively receiving or transmitting data packets

3.1 Preliminary steps

Before connecting the **Naxos801G** to the network, make sure to follow the recommendations listed below:

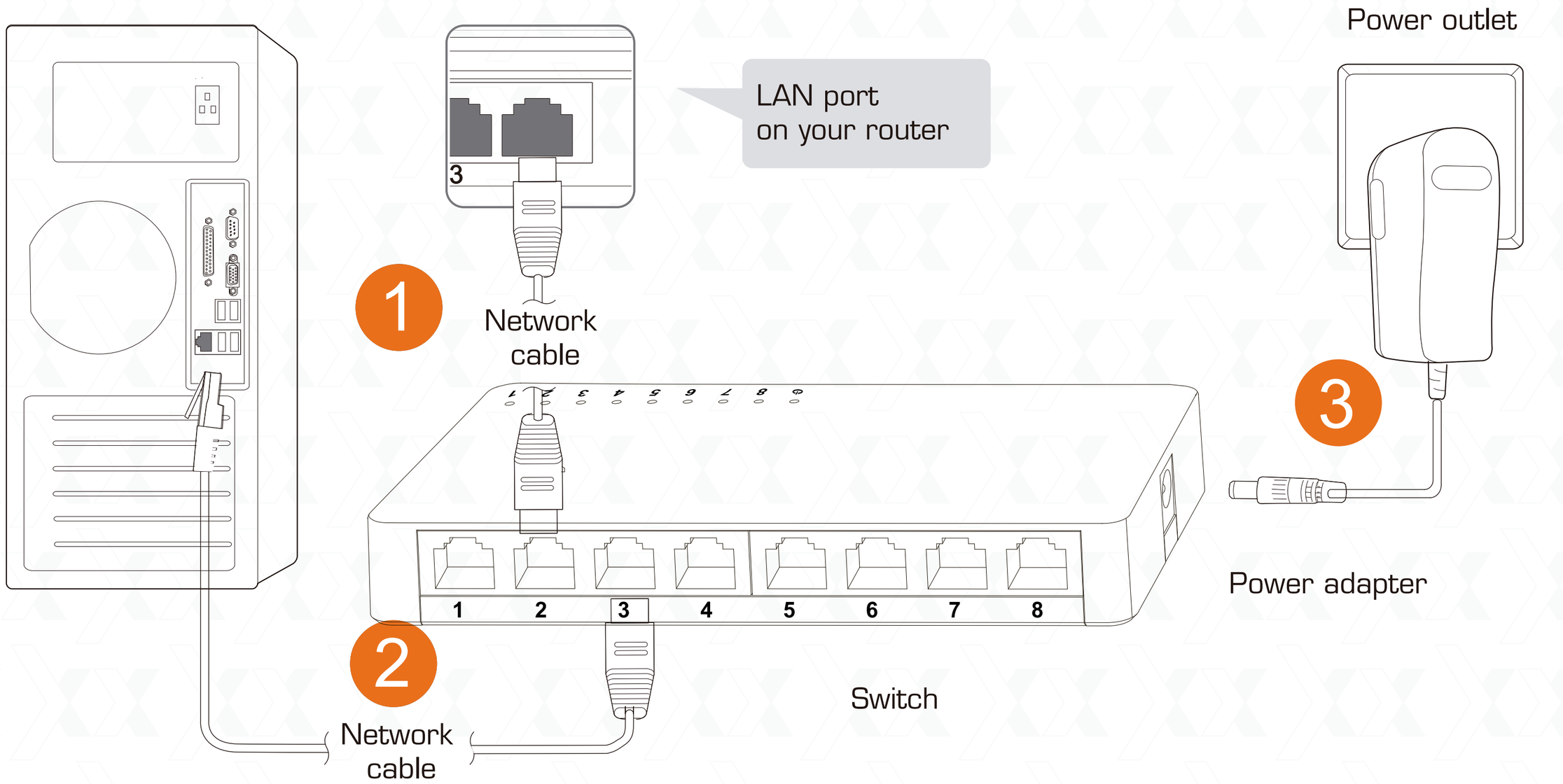
- Never place heavy objects on top of the switch.
- Place the switch on a secure, stable and clean surface. The switch can be mounted on the wall or placed free-standing on a desktop.
- Check the power supply to confirm a safe connection.
- Make sure there's adequate space for proper heat dissipation and ventilation around the switch. Allow at least 10 cm clearance between the rear panel and the wall to dissipate hot air. If you need to stack other devices on top of the switch, a minimum separation of 1.5 cm should be used
- Electrical power supplied should match the voltage specified.
- Never install a power cord while it is electrified.
- Do not power the switch before cabling is completed.

3.2 Connection of the switch

Use a standard ethernet cable to connect the switch to the network devices as illustrated below. Switch ports will automatically adjust to the characteristics (AUTO MDI/MDIX) of the device that is connected. To verify whether a device is connected or not, refer to the LED indicator table for details.

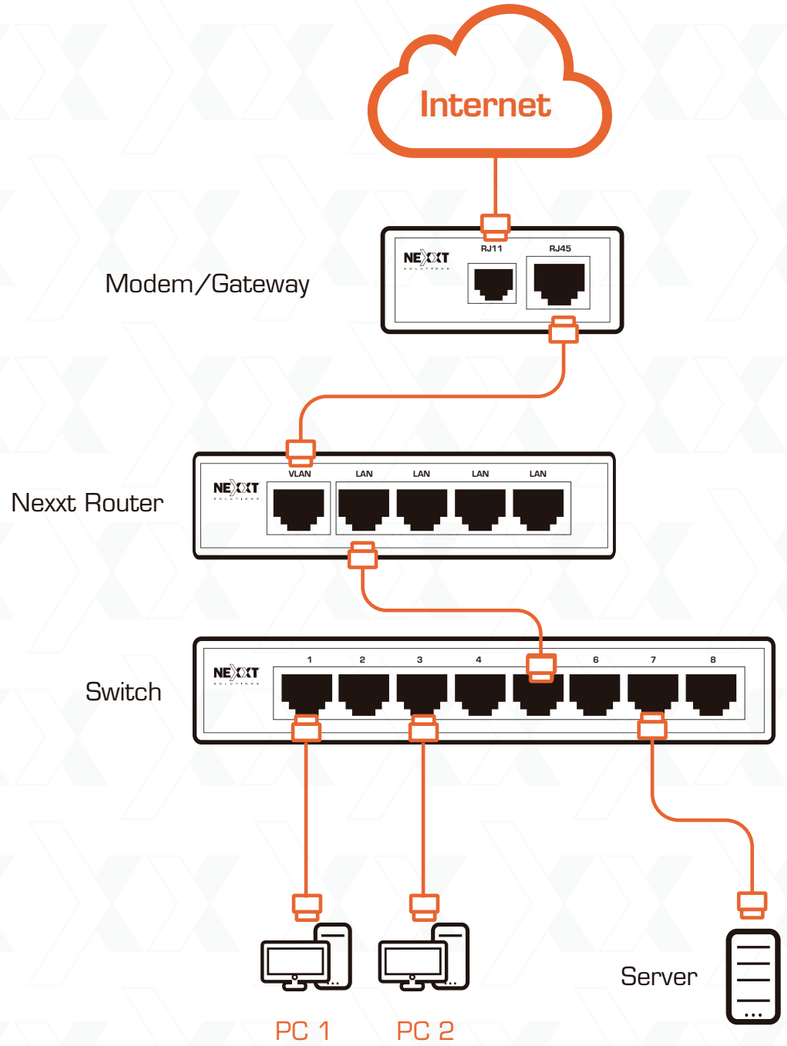
The orange Link/Active indicator of each port will blink when the corresponding link is available.

Basic connection diagram



Commonly used method to set up an Ethernet connection.

With eight 10/100/1000/Mbps RJ45 ports, you can easily expand your network by connecting multiple devices, such as computers, routers, servers, TV sets, printers and gaming consoles.



Product specifications:

Physical component characteristics	
Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3i y IEEE 802.3az.
Ports and interface	8 ports10/100/1000/Mbps RJ45
Forwarding speed	16 Gbps
Heat dissipation	Fanless cooling system
LED indicators	Power and status lights
Operating characteristics	
Topological structure	Plastic
Backplane bandwidth	16 Gbps
Jumbo frame	11.9 Mpps
MAC address table	2000
Software characteristics	
Advanced functions	Flow control for IEEE802.3x duplex back pressure
Environmental conditions	
Operating temperature	0°C~40°C
Storage temperature	-20°C~70°C
Relative humidity	10% ~ 90% non-condensing 5%~90% non-condensing
Physical aspects	
Housing	ABS plastic
Color	White
Power adapter cord length	1 meter
Dimensions	5.07 x 2.2 x O.7 in (12,9 x 5,8 x 2cm)
Weight	2.82 oz (80 g)
Additional information	
Input power	100/240VAC 50/60Hz
External power supply	5VDC/1A
Warranty	5 years*

*2-year standard warranty plus a 3-year extension with online registration.

FCC statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to 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 his own expense.

FCC caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment.

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