

Nexxt Solutions ASBDT084U1

Nexxt Solutions Axis800 8-Port Gigabit Ethernet Network Switch User Manual

Model: ASBDT084U1

1. INTRODUCTION

The Nexxt Solutions Axis800 is an unmanaged 8-Port Gigabit Ethernet Network Switch designed for small office/home office (SOHO), student dormitories, and small enterprise environments. This device provides a simple and efficient way to expand your wired network, offering high-speed data transfer rates of 10/100/1000 Mbps. Its plug-and-play design ensures easy installation without the need for complex configuration.

Key features include auto MDI/MDIX for simplified cable connections, store-and-forward technology for reliable packet transmission, and a sturdy metal housing for durability. The Axis800 is an ideal solution for connecting multiple devices such as computers, gaming consoles, printers, and network-attached storage (NAS) to your network with stable and lag-free performance.

2. PACKAGE CONTENTS

Please verify that your package contains the following items:

- Nexxt Solutions Axis800 8-Port Gigabit Ethernet Network Switch
- Power Adapter
- User Manual (this document)

3. PRODUCT OVERVIEW

3.1 Front Panel

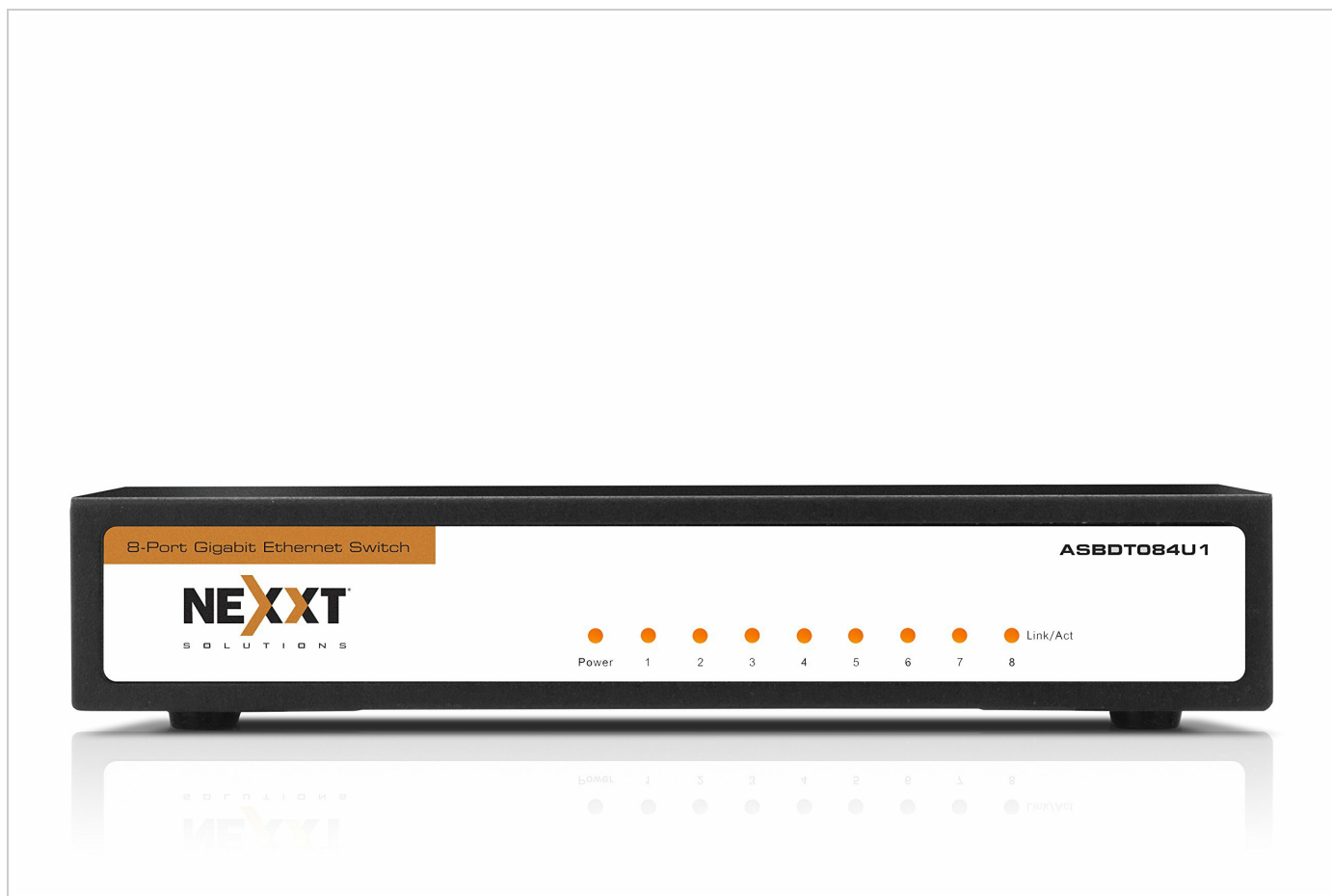


Figure 1: Front Panel of the Axis800 Switch. This image displays the front of the switch, featuring the brand logo, product name, model number, and LED indicators for power and each of the eight Ethernet ports.

- **Power LED:** Indicates the power status of the switch. Lit when the device is powered on.
- **Link/Act LEDs (1-8):** Each LED corresponds to an Ethernet port.
 - **Solid Green:** A device is connected to the port and a link is established.
 - **Flashing Green:** Data is being transmitted or received through the port.
 - **Off:** No device is connected or the connected device is not powered on.

3.2 Rear Panel



Figure 2: Rear Panel of the Axis800 Switch. This image shows the rear of the switch, highlighting the eight RJ45 Ethernet ports and the power input jack. Ventilation slots are visible on the side.

- **RJ45 Ports (1-8):** Eight 10/100/1000 Mbps auto-negotiation ports for connecting network devices using Ethernet cables. These ports support auto MDI/MDIX, eliminating the need for crossover cables.
- **DC 12V Power Input:** Connect the provided power adapter here.

4. SETUP AND INSTALLATION

The Nexxt Solutions Axis800 switch is designed for plug-and-play operation, requiring no software installation or complex configuration. Follow these steps to set up your switch:

1. **Placement:** Place the switch on a stable, flat surface or mount it on a wall (mounting hardware not included). Ensure adequate ventilation around the device.
2. **Connect Power:** Connect the provided power adapter to the DC 12V power input on the rear panel of the switch, then plug the other end into a standard electrical outlet. The Power LED on the front panel should illuminate.
3. **Connect Network Devices:** Use standard Ethernet cables (Cat5e or higher recommended for Gigabit speeds) to connect your network devices (e.g., computers, routers, game consoles, network printers) to any of the RJ45 ports (1-8) on the switch.
4. **Verify Connection:** Once a device is connected and powered on, the corresponding Link/Act LED on the front panel should light up solid green, indicating a successful link. It will flash when data is being transmitted.

Your Nexxt Solutions Axis800 switch is now ready for use.

5. OPERATION

The Axis800 is an unmanaged switch, meaning it operates automatically without user intervention. Once connected, it will facilitate communication between all connected devices on your local network.

- **Data Transfer:** The switch automatically detects the speed and duplex mode of connected devices (10/100/1000 Mbps, full/half duplex) and adjusts accordingly.
- **Auto MDI/MDIX:** This feature automatically detects if a straight-through or crossover cable is needed, simplifying cable connections.
- **Store-and-Forward:** The switch uses store-and-forward architecture to filter out erroneous packets and ensure efficient data transmission.
- **Jumbo Frame Support:** Supports Jumbo Frames of up to 9Kbytes, which can improve the efficiency of large data transfers.

6. MAINTENANCE

To ensure optimal performance and longevity of your Nexxt Solutions Axis800 switch, consider the following maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the switch. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure that the ventilation slots on the sides of the switch are not blocked to prevent overheating.
- **Power Cycle:** If the switch experiences unusual behavior, try disconnecting the power adapter for a few seconds and then reconnecting it.
- **Cable Management:** Keep network cables organized and free from kinks or excessive bends to prevent signal degradation.

7. TROUBLESHOOTING

If you encounter issues with your Axis800 switch, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
No Power LED indication.	• Ensure the power adapter is securely connected to the switch and a working electrical outlet. • Verify the power outlet is functional by plugging in another device.
Link/Act LED is off for a connected device.	• Check if the connected device is powered on. • Ensure the Ethernet cable is securely plugged into both the switch port and the device's network port. • Try a different Ethernet cable. • Try connecting the device to a different port on the switch.
Slow network speeds.	• Ensure all connected devices and cables support Gigabit Ethernet (Cat5e or higher). • Check for network congestion from other devices. • Verify your internet service provider (ISP) speed. • Restart the switch, router, and connected devices.
Intermittent connection.	• Check for loose cable connections. • Ensure the switch is placed away from strong electromagnetic interference sources. • Inspect cables for damage.

8. SPECIFICATIONS

Model Number	ASBDT084U1 (Axis800)
Number of Ports	8 x RJ45
Interface Type	RJ45
Data Transfer Rate (Per Port)	10/100/1000 Mbps
Backplane Bandwidth	16 Gbps
Jumbo Frame Support	9 Kbytes
Flow Control	IEEE802.3x Full Duplex and Half Duplex Back Pressure
MAC Address Table	4000 entries
Case Material	Metal
Product Dimensions	12 x 8 x 2 inches
Item Weight	1.8 pounds
Power Input	DC 12V

9. WARRANTY AND SUPPORT

The Nexxt Solutions Axis800 8-Port Gigabit Ethernet Network Switch comes with a**5-year warranty**, as stated in the product description. This warranty covers defects in materials and workmanship under normal use. For technical support, warranty claims, or further assistance, please contact Nexxt Solutions customer service. Refer to the official Nexxt Solutions website or product packaging for the most current contact information.

Nexxt Solutions Contact Information:

- **Website:** [www.nexxtsolutions.com](#) (Example link, please verify official website)
- **Email:** (Refer to product packaging or website)
- **Phone:** (Refer to product packaging or website)

Please retain your proof of purchase for warranty purposes.



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