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› Binardat 4 Port 2.5G Web Managed Switch User Manual

Binardat Mini 4x2.5G Managed

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Model: Mini 4x2.5G Managed

Brand: Binardat

1. PRODUCT OVERVIEW

The Binardat 4 Port 2.5G Web Managed Switch with 2x10G SFP+ Slot is a high-performance networking device designed for both home and office environments. It offers advanced Layer 2 management features, high-speed connectivity, and a compact, fanless design for quiet operation.



Front view of the Binardat 4 Port 2.5G Web Managed Switch, showing the four 2.5G Ethernet ports and two 10G SFP+ slots.

Key Features:

- **4 x 2.5Gigabit Ethernet Ports:** Compatible with 100Mbps/1Gbps devices, providing high-speed wired connections.
- **2 x 10G SFP+ Slots:** Supports 1G/2.5G/10G optical modules (not included) for high-bandwidth fiber connectivity.
- **Web Managed Interface:** Easy configuration and monitoring via a web-based GUI, supporting various L2 features like Trunk, LACP, VLAN, QoS, and more.
- **Ultra-Mini Size & Metal Casing:** Compact design for space-saving installation, durable metal case, suitable for

desktop or wall mounting.

- **Fanless Design:** Ensures silent operation and lower energy consumption, ideal for noise-sensitive environments.
- **Plug and Play:** Auto MDI/MDIX and auto-negotiation for simple setup.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- Binardat 2.5G Web Managed Switch (Model: Mini 4x2.5G Managed)
- Power Adapter (12V / 0.5A)
- User Manual (this document)



The product packaging, indicating the Binardat Ethernet Switch.

3. HARDWARE INSTALLATION

Follow these steps to properly install your Binardat Web Managed Switch:

1. **Placement:** Choose a stable, flat surface for desktop placement, or a suitable wall for mounting. Ensure adequate ventilation around the switch. The compact size allows for flexible placement.



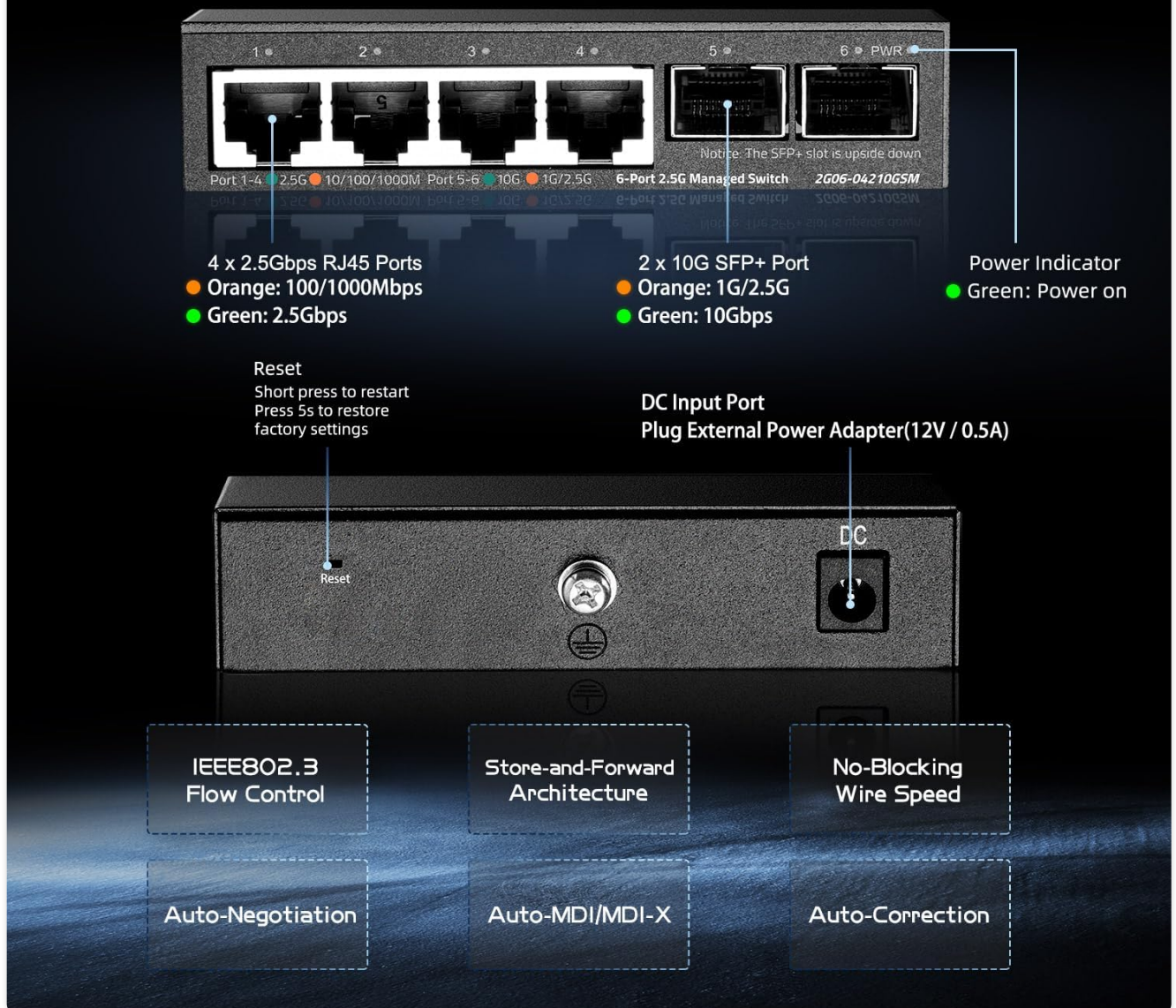
Illustration of the switch being wall-mounted, demonstrating its compact and versatile design.

2. Connect Network Devices:

- Connect your network devices (e.g., computers, NAS, WiFi 6 APs, gaming PCs) to the 2.5G Ethernet ports (Port 1-4) using standard Cat5e or better Ethernet cables.
- For 10G connectivity, insert compatible 1G/2.5G/10G SFP+ optical modules into the SFP+ slots (Port 5-6) and connect fiber optic cables.

3. **Connect Power:** Insert the power adapter cable into the DC input port on the switch. Plug the power adapter into a standard electrical outlet. The Power LED indicator will illuminate, indicating the switch is powered on.

High Performance and Reliable Connection



Rear view of the switch, highlighting the DC input port and the reset button.

The switch features auto MDI/MDIX and auto-negotiation, simplifying cable connections and ensuring optimal speed for connected devices.

4. OPERATING INSTRUCTIONS (WEB MANAGEMENT)

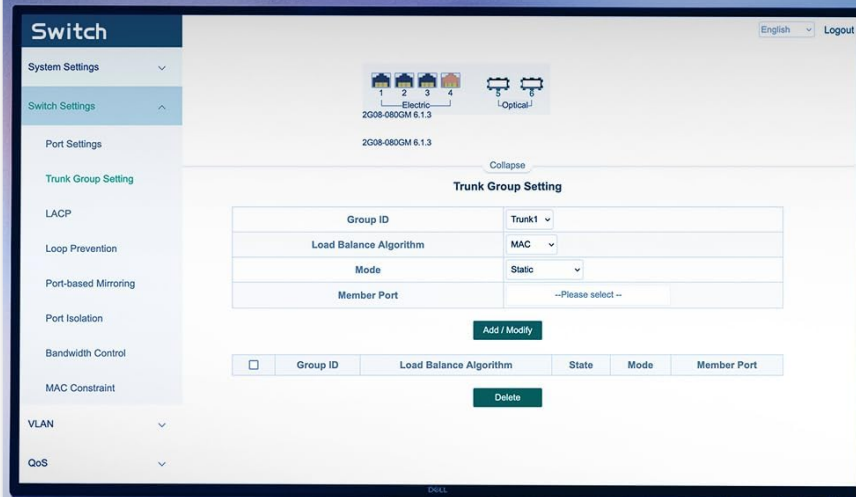
The Binardat Web Managed Switch can be configured and monitored via its web-based graphical user interface (GUI).

1. Accessing the Web Interface:

- Ensure your computer is connected to one of the switch's Ethernet ports.
- Open a web browser (e.g., Chrome, Firefox, Edge).
- In the address bar, enter the default IP address: **192.168.2.1**
- When prompted, enter the default username: **admin** and password: **admin**.

Flexible Web Management and Operation

Users can configure, monitor and troubleshoot the device without having CLI expertise



Default IP: 192.168.2.1
User Name: admin
Password: admin

Web Interface

Screenshot of the web management interface, showing the default IP, username, and password.

2. Basic Configuration:

Upon successful login, you can navigate through the various settings:

- **System Settings:** View device information, change login credentials, and manage system time.
- **Port Settings:** Configure individual port speeds, duplex modes, and enable/disable ports.
- **VLAN (Virtual Local Area Network):** Create and manage VLANs to segment your network for improved security and performance.
- **QoS (Quality of Service):** Prioritize network traffic for critical applications like voice or video.
- **Trunk/LACP (Link Aggregation Control Protocol):** Combine multiple physical links into a single logical link for increased bandwidth and redundancy.
- **Mirroring:** Monitor network traffic by mirroring it to a designated port for analysis.
- **IGMP Snooping:** Optimize multicast traffic delivery, useful for IPTV and other streaming services.
- **Loop Prevention:** Prevent network loops that can cause broadcast storms and network instability.

3. **Monitoring:** The web interface provides real-time status updates for ports, traffic statistics, and system logs, allowing you to monitor the switch's operation.

5. MAINTENANCE

To ensure optimal performance and longevity of your Binardat Web Managed Switch, follow these 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 holes on the sides of the switch are not obstructed. Although fanless, proper airflow helps dissipate heat.
- **Firmware Updates:** Periodically check the Binardat official website for any available firmware updates. Firmware updates can provide new features, performance improvements, and security patches.
- **Environmental Conditions:** Operate the switch within its specified temperature and humidity ranges to prevent damage. Avoid placing it in direct sunlight or near heat sources.
- **Cable Management:** Keep network cables organized and free from kinks or excessive bending to prevent signal degradation.

6. TROUBLESHOOTING

If you encounter issues with your Binardat Web Managed Switch, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Power / Power LED Off	Power adapter not connected or faulty; power outlet issue.	Ensure the power adapter is securely connected to the switch and a working power outlet. Try a different outlet.
No Network Connectivity	Incorrect cable connection; faulty cable; incorrect IP settings on connected device; port disabled.	◦ Verify Ethernet cables are securely connected to both the switch and the device. ◦ Try a different Ethernet cable. ◦ Check the link/activity LEDs on the switch port. ◦ Ensure your device's network settings are configured for DHCP or a correct static IP. ◦ Log into the web interface to ensure the port is enabled.
Cannot Access Web Interface	Incorrect IP address; network configuration issue; firewall blocking access.	◦ Confirm you are using the default IP 192.168.2.1 (unless changed). ◦ Ensure your computer's IP address is in the same subnet (e.g., 192.168.2.x). ◦ Temporarily disable your computer's firewall to test access. ◦ If the IP was changed and forgotten, perform a factory reset.

Problem	Possible Cause	Solution
Slow Network Speed	Cable quality; device capability; network congestion; duplex mismatch.	◦ Use Cat5e or higher rated cables for 2.5G speeds. ◦ Ensure connected devices support 2.5G or 10G speeds. ◦ Check port statistics in the web interface for errors or collisions. ◦ Verify duplex settings are set to auto-negotiation or full-duplex.

Factory Reset: If you forget the login credentials or encounter persistent issues, you can perform a factory reset. Locate the reset button (often a small pinhole) on the switch. With the switch powered on, use a paperclip or similar pointed object to press and hold the reset button for approximately 5-10 seconds until the LEDs flash. This will restore the switch to its default factory settings, including the IP address, username, and password.

7. SPECIFICATIONS

Feature	Detail
Model Number	Mini 4x2.5G Managed
Ports	4 x 2.5G RJ45 Ports, 2 x 10G SFP+ Slots
Switching Capacity	60 Gbps
Data Transfer Rate	2.5 Gigabit Ethernet, 10 Gigabit Ethernet
Management	Web Managed (Layer 2 features: VLAN, QoS, LACP, Trunk, etc.)
Fanless Design	Yes
Housing Material	Metal
Dimensions	5.87 x 3.9 x 3.7 inches (approx. 149 x 99 x 94 mm)
Item Weight	13 ounces (approx. 0.37 kg)
Power Input	12V / 0.5A DC

8. WARRANTY AND SUPPORT

Binardat is committed to providing high-quality networking products. For warranty information, technical support, or any inquiries regarding your Binardat 4 Port 2.5G Web Managed Switch, please contact Binardat customer service directly. You can typically find contact information on the product packaging, the official Binardat website, or through the retailer where you purchased the product. For the latest information and support resources, please visit the official Binardat website:www.binardat.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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