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> [keepLiNK 6-Port 2.5G Web Smart Managed Ethernet Switch User Manual \(Model: 5 Port 2.5G Switch Managed\)](#)

## keepLiNK 5 Port 2.5G Switch Managed

# keepLiNK 6-Port 2.5G Web Smart Managed Ethernet Switch User Manual

Model: 5 Port 2.5G Switch Managed

Brand: keepLiNK

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your keepLiNK 6-Port 2.5G Web Smart Managed Ethernet Switch. This device is designed to enhance your network with high-speed 2.5G connectivity and advanced management features.



Image: Front view of the keepLiNK 6-Port 2.5G Web Smart Managed Ethernet Switch, showcasing its compact metal housing and front-facing ports.

## PACKAGE CONTENTS

Verify that all items are present in the package:

- keepLiNK 6-Port 2.5G Web Smart Managed Ethernet Switch
- Power Cable
- User's Manual (this document)

## SETUP

### 1. Physical Installation

The switch features a durable metal casing and a fanless design for quiet operation. It supports both desktop placement and wall-mounting.

1. **Desktop Placement:** Place the switch on a stable, flat surface with adequate ventilation.
2. **Wall-Mounting:** Use appropriate screws (not included) to secure the device to a wall using the mounting holes on the chassis. Ensure the mounting location allows for proper cable management and ventilation.

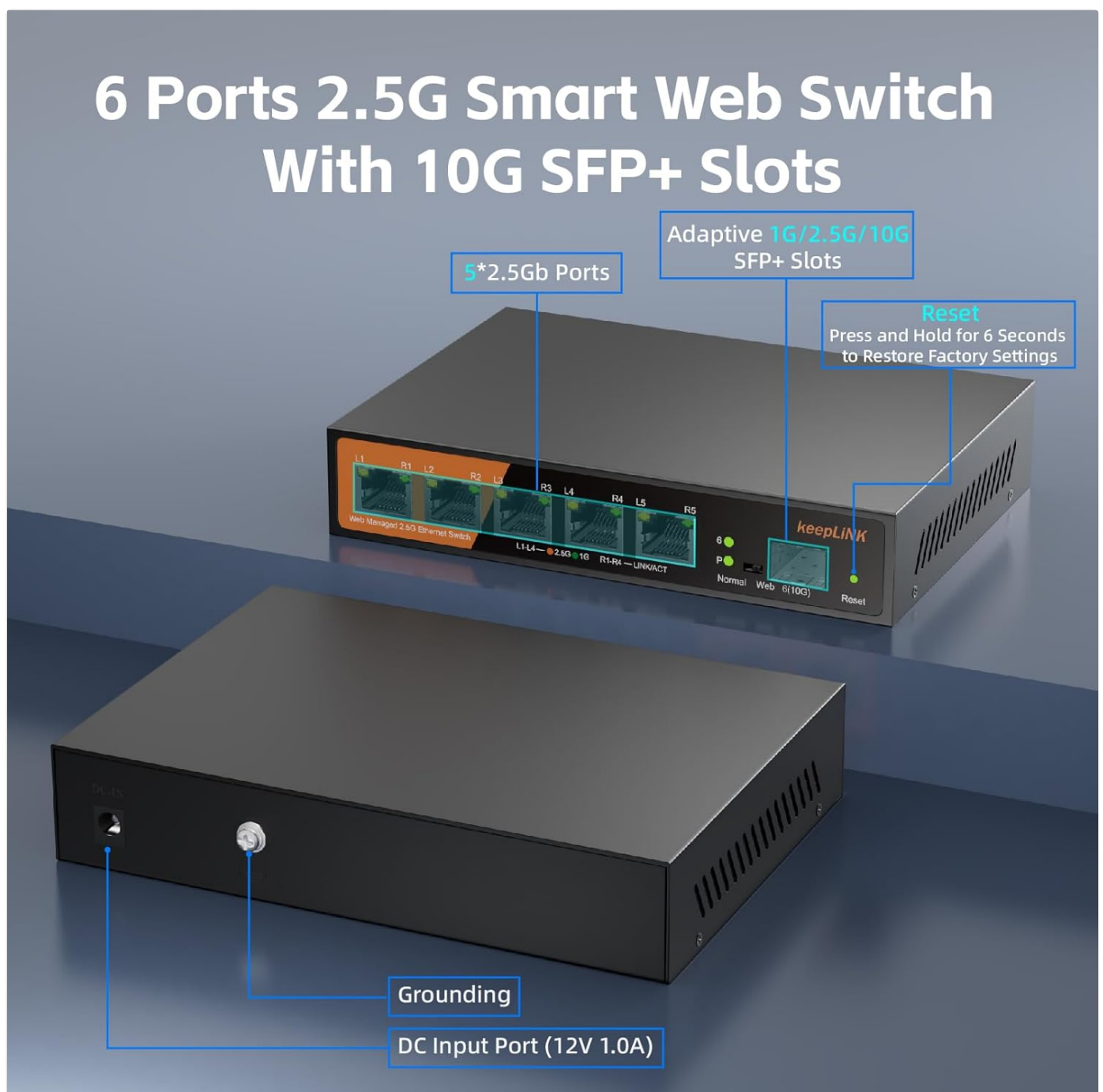


Image: Top and rear view of the switch, highlighting the 2.5G RJ45 ports, 10G SFP+ slot, DC input port (12V 1.0A), and grounding point.

## 2. Power Connection

1. Connect the provided power cable to the DC input port (12V 1.0A) on the rear panel of the switch.
2. Plug the other end of the power cable into a standard electrical outlet.
3. The power indicator LED on the front panel will illuminate, indicating the device is powered on.

## 3. Network Connections

The switch features 5 x 2.5Gb RJ45 ports and 1 x 10G SFP+ port.

- **RJ45 Ports (L1-L5):** Connect your network devices (e.g., computers, NAS, WiFi 6 APs, gaming consoles) to these 2.5Gbps ports using standard Ethernet cables (CAT5e, CAT6, CAT6a recommended for optimal performance). These ports support 10/100/1000M/2.5G adaptive speeds.
- **SFP+ Port (L6):** This 10G SFP+ port is compatible with 1G/2.5G/10G SFP modules (module not included). Use this port for high-speed uplink connections to a core network or server.

# 2.5X Faster Than Existing 1G Network

Adaptive 1G/2.5G/10G Optical Fiber Module

(The Module is NOT included)

- ✓ CAT5e Cable
- ✓ CAT6 Cable
- ✓ CAT6a Cable

IEEE802.3ae 10Gbps SFP+ **10X**

IEEE802.3ab 2.5Gbps **2.5X**

IEEE802.3ab 1Gbps

Image: Diagram illustrating the connection of Ethernet cables (CAT5e, CAT6, CAT6a) to the RJ45 ports and an adaptive 1G/2.5G/10G optical fiber module to the SFP+ port. The image also shows a speed comparison, indicating 2.5G is 2.5X faster than 1G, and 10G SFP+ is 10X faster than 1G.

## 4. Initial Web Management Access

The switch is a web-smart managed device, allowing configuration via a web browser.

1. Ensure your computer is connected to one of the switch's RJ45 ports.
2. Open a web browser (e.g., Chrome, Firefox, Edge).
3. Enter the default IP address: **192.168.2.1**
4. When prompted, enter the default credentials:
  - **User Name:** admin
  - **Password:** admin
5. Upon successful login, you will access the web management interface. It is recommended to change the default password for security purposes.

# Flexible Management and Operation



**Default IP: 192.168.2.1**  
**User Name: admin**  
**Password: admin**



Image: Screenshot of the web management interface login prompt, displaying the default IP address, username, and password.

## OPERATING INSTRUCTIONS

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The keepLiNK 2.5G Web Smart Managed Switch offers various features to optimize network performance and management.

### Web Management Features

Access the web interface using the default IP (192.168.2.1) and credentials (admin/admin) to configure the following:

- **VLAN (Virtual Local Area Network):** Segment your network for improved security and performance.
- **QoS (Quality of Service):** Prioritize network traffic for critical applications like voice or video.
- **Multicast:** Efficiently deliver data to multiple recipients simultaneously (e.g., IGMP Snooping).
- **MAC Address Management:** Control access based on MAC addresses.
- **Static Aggregation:** Combine multiple physical links into a single logical link for increased bandwidth and redundancy. *Note: This switch supports static link aggregation only and does not support dynamic link aggregation (802.3ad LACP).*
- **Jumbo Frame:** Support for larger Ethernet frames (up to 16KB) to improve data transfer efficiency for large files.
- **Port Mirroring:** Monitor network traffic by sending copies of packets from one port to another.

# Basic Management Features to Optimise your Network Efficiency

- Static Aggregation
- Jumbo Frame
- VLAN
- QoS
- IGMP Snooping
- Port Mirroring

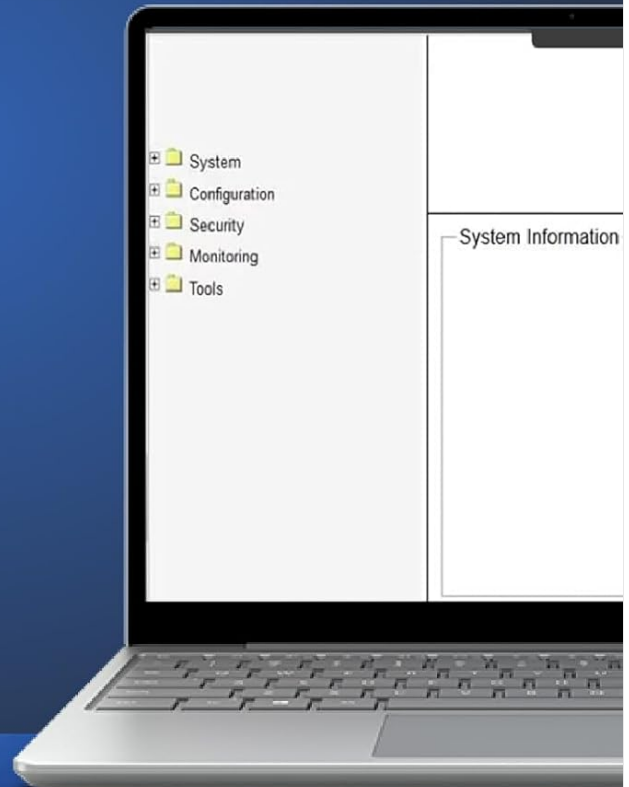


Image: Diagram listing basic management features such as Static Aggregation, Jumbo Frame, VLAN, QoS, IGMP Snooping, and Port Mirroring, alongside a visual representation of the web management interface on a laptop screen.

# Link Aggregation with NAS(LACP)



Please note: This switch only supports static link aggregation and does not support dynamic link aggregation.

Image: Illustration of the switch connected to a NAS (Network Attached Storage) device using two Ethernet cables for static link aggregation. A note clarifies that only static link aggregation is supported, not dynamic LACP.

## LED Indicators

The front panel LEDs provide status information:

- **Power LED:** Indicates power status.
- **Link/Act LEDs (for RJ45 ports):**
  - **Solid Green:** A stable network link is established.
  - **Flashing Green:** Data activity is occurring on the port.
  - **Off:** No link or connection.
- **Speed LEDs (for RJ45 ports):**
  - **Specific Color/Indicator:** Indicates 2.5G speed.
  - **Other Color/Indicator:** Indicates 1G/100M speed.

- **SFP+ Port LED:** Indicates link/activity status for the 10G SFP+ port.

## MAINTENANCE

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### Cleaning

To ensure optimal performance and longevity, keep the switch clean:

- Disconnect the power cable before cleaning.
- Use a soft, dry cloth to wipe the exterior of the device.
- Avoid using liquid cleaners or aerosols, as they may damage the components.
- Ensure ventilation openings are free from dust and obstructions.

### Firmware Updates

Periodically check the keepLiNK official website for firmware updates. Firmware updates can provide new features, performance improvements, and security enhancements. Follow the instructions provided with the firmware update package carefully.

### Factory Reset

If you encounter persistent issues or forget your login credentials, you can restore the switch to its factory default settings. This will erase all custom configurations.

1. With the switch powered on, locate the **Reset** button on the front panel.
2. Use a paperclip or a similar pointed object to press and hold the Reset button for approximately 6 seconds.
3. Release the button once the LEDs indicate a reset sequence (e.g., all LEDs flash).
4. The switch will reboot with factory default settings (IP: 192.168.2.1, User: admin, Pass: admin).

## TROUBLESHOOTING

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This section addresses common issues you might encounter with your switch.

- **No Power:**
  - Ensure the power cable is securely connected to both the switch and the power outlet.
  - Verify the power outlet is functional.
- **No Link on a Port:**
  - Check if the Ethernet cable is properly connected to both the switch port and the connected device.
  - Ensure the connected device is powered on and functioning correctly.
  - Try a different Ethernet cable.
  - Verify the Link/Act LED for the port. If it's off, there's no link.
- **Slow Network Speed:**
  - Ensure you are using appropriate Ethernet cables (CAT5e, CAT6, CAT6a) for 2.5G speeds.
  - Check the speed indicator LEDs on the switch to confirm the link speed.
  - Verify the capabilities of your connected devices (network cards, NAS, etc.) support 2.5G or 10G.
  - Access the web management interface to check port statistics and configurations (e.g., QoS settings).
- **Cannot Access Web Management Interface:**

- Ensure your computer's IP address is in the same subnet as the switch (default 192.168.2.x).
- Verify the default IP address (192.168.2.1) is entered correctly in the browser.
- If the IP address was changed and forgotten, perform a factory reset.
- Disable any firewall or antivirus software on your computer temporarily to rule out interference.

## SPECIFICATIONS

Feature	Description
Brand	keepLiNK
Model Number	5 Port 2.5G Switch Managed
Number of Ports	6 (5 x 2.5G RJ45, 1 x 10G SFP+)
RJ45 Port Speed	10/100/1000M/2.5G Adaptive
SFP+ Port Compatibility	1G/2.5G/10G Modules (not included)
Switching Capacity	60 Gbps
Jumbo Frame Support	16 KB
Packet Forwarding Rate	44.64 Mpps
MAC Address Table Size	4K
Forwarding Delay	<10 us
Management	Web Smart Managed (VLAN, QoS, Multicast, MAC, Static Aggregation, etc.)
Aggregation Type	Static Aggregation (not 802.3ad LACP)
Housing Material	Metal
Cooling	Fanless
Installation	Desktop / Wall-Mount
Power Input	12V 1.0A (via included power cable)
Item Weight	0.47 Kilograms (1.04 pounds)
Dimensions	8.15 x 6.34 x 2.24 inches (Package)
Compatible Devices	Desktop, Gaming Console, Laptop, Printer, Router, NAS, WiFi 6 AP

# 2.5G Smart Web Switch

## 2.5G+10G



Switching capacity	Jumbo Frame	Packet Forwarding Rate	MAC address	Forwarding delay
<b>60Gbps</b>	<b>16KB</b>	<b>44.64Mpps</b>	<b>4K</b>	<b>&lt;10us</b>

Image: Visual summary of key performance specifications including 60Gbps switching capacity, 16KB Jumbo Frame, 44.64 Mpps Packet Forwarding Rate, 4K MAC address table, and <10us Forwarding delay.

## WARRANTY INFORMATION

keepLiNK products are designed and manufactured to the highest quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official keepLiNK website. Keep your proof of purchase for warranty claims.

## CUSTOMER SUPPORT

If you have any questions, require technical assistance, or encounter issues not covered in this manual, please contact keepLiNK customer support. You can find contact information on the official keepLiNK website or through your purchase platform.

For additional resources and product information, visit the [keepLiNK Store on Amazon](#).



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