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> Reolink PoE Switch RLA-PS1E 4+1 Ports Gigabit User Manual

Reolink RLA-PS1E

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Model: RLA-PS1E

1. PRODUCT OVERVIEW

The Reolink RLA-PS1E PoE Switch is a high-performance networking device designed to provide stable power and fast data transfer for various Power over Ethernet (PoE) compatible devices. It features 4 downstream ports and 1 upstream Gigabit port, supporting IEEE 802.3af/at (PoE+) standards. This switch is ideal for home and business environments, offering intelligent power management and advanced operational modes for enhanced reliability and ease of use.



The Reolink RLA-PS1E PoE Switch, a compact black device with multiple Ethernet ports.



An illustration highlighting the Gigabit speed (1000Mbps), IEEE 802.3af/at PoE+ compliance, 65W total power, and 30W max per port capabilities of the Reolink PoE Switch.

2. SETUP AND INSTALLATION

2.1 Box Contents

Before you begin, ensure all components are present in the package:

- Reolink PoE Switch
- Power Adapter
- Screw Bag (for wall mounting)
- Mounting Template
- Quick Start Guide



Voyant
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PoE+Ports

Liaison montante
Gigabit Ethernet



Contenu de la Boîte



Commutateur PoE



Adaptateur d'Alimentation



Sachet de Vis



Modèle de Montage



Guide de Démarrage Rapide

An image showing the Reolink PoE Switch, power adapter, screw bag, mounting template, and quick start guide included in the box.

2.2 Physical Connections

The Reolink RLA-PS1E PoE Switch is designed for plug-and-play operation, requiring no complex configuration. Follow these steps to set up your switch:

1. **Connect the Power Adapter:** Plug the included power adapter into the DC IN port on the back of the PoE switch, then connect it to a power outlet. The 'POWER' LED indicator on the front panel will light up.

2. **Connect Uplink Device:** Use a standard Ethernet cable to connect your router, NVR, or other network device to the 'UPLINK' port on the switch.
3. **Connect PoE Devices:** Connect your PoE-compatible devices (e.g., IP cameras, wireless access points) to the PoE+ ports (1-4) using Ethernet cables. The switch will automatically detect and power these devices.
4. **Connect Non-PoE Devices (Optional):** If you have non-PoE devices that only require data connection, you can also connect them to ports 1-4. The switch will provide data connectivity without power.

Your browser does not support the video tag.

This video demonstrates the unboxing and basic connection process for a PoE switch, showing how to connect the power and network cables.

3. OPERATING INSTRUCTIONS

3.1 Standard PoE Operation

The RLA-PS1E switch provides Power over Ethernet (PoE) to connected devices on ports 1-4, adhering to IEEE 802.3af/at standards. Each port can deliver up to 30W of power, with a total power budget of 65W for all PoE ports. This allows for simultaneous power and data transmission over a single Ethernet cable.

Détection Intelligente de l'Alimentation



Périphérique PoE



Non-PoE

An illustration showing the switch intelligently detecting and powering a PoE device (camera) while providing data to a non-PoE device (router) without power.

3.2 Intelligent Power Management

The switch automatically monitors the power consumption of connected devices. If the total power demand exceeds the 65W budget, the switch will intelligently prioritize essential devices by deactivating ports in reverse order (from port 4 downwards) to maintain stability for critical devices.

Conçu pour la Fiabilité et Simplicité



Protection Contre La Foudre Au Niveau
Du Port Et De La Puissance



Boîtier Métallique Résistant



Conception Silencieuse Sans Ventilateur



Prêt À L'emploi

A diagram illustrating how the switch manages power. If the total power exceeds 65W, it automatically deactivates ports sequentially to ensure continuity for key devices.

3.3 Extend Mode

For long-distance deployments, activate the Extend Mode. This mode configures ports 1 and 2 to operate at 10 Mbps, extending the PoE transmission distance up to 250 meters (820 feet). This is particularly useful for cameras or other devices located far from the main network hub. **Note:** Extend Mode requires standard Cat5E or higher Ethernet cables.

Mode Extend Permet un Déploiement Longue Distance

Ports 10 Mbps, portée PoE jusqu'à 250 m (820 pieds)



Remarque : le mode étendu est pris en charge uniquement sur les ports 1 et 2 et nécessite des câbles Cat5 standard.

An image showing the Extend Mode switch on the device and examples of long-distance applications in warehouses and factories, indicating ports 1-2 support 10 Mbps up to 250m.

3.4 Recovery Mode

The Recovery Mode feature enhances network reliability by automatically detecting unresponsive PoE devices. If a connected PoE device becomes inactive, the switch will automatically restart that device, minimizing downtime and reducing the need for manual intervention.

Redémarrage Automatique pour un Fonctionnement Stable de l'Appareil



A diagram illustrating how the Recovery Mode works: if a device goes offline, the switch detects it and activates recovery mode to restart the device.

4. MAINTENANCE

The Reolink RLA-PS1E PoE Switch is designed for minimal maintenance and long-term reliability.

4.1 Fanless Design

The switch features a fanless design, ensuring silent operation and eliminating the need for fan cleaning or replacement. This design also contributes to lower power consumption and increased reliability.

4.2 Robust Metal Casing

Constructed with a durable metal casing, the switch is built to withstand various operating environments and provides efficient heat dissipation, further enhancing its lifespan and stability.

Distribution d'énergie intelligente

Garantir la continuité de service des appareils clés



En cas de surcharge totale de 65 W

65W

Gestion automatique
de l'alimentation



Désactivation séquentielle des ports

65W

Remarque : La puissance maximale par port est de 30 W

An image showcasing the design features: 4KV surge protection, robust metal casing, silent fanless operation, and plug-and-play readiness.

5. TROUBLESHOOTING

If you encounter issues with your Reolink RLA-PS1E PoE Switch, consider the following common troubleshooting steps:

- **Device Not Receiving Power:** Ensure the power adapter is securely connected to both the switch and a working power outlet. Verify that the 'POWER' LED is illuminated. Check if the connected device is PoE-compatible and that the Ethernet cable is properly seated in a PoE+ port.
- **Network Connectivity Issues:** Confirm that the 'UPLINK' port is correctly connected to your router or main network. Check the status LEDs for the connected ports; a solid green or amber light usually indicates a good connection. Try using different Ethernet cables.
- **PoE Overload:** If multiple high-power PoE devices are connected and some are not functioning, the total power consumption might exceed the 65W budget. The Intelligent Power Management feature may have deactivated some ports. Consider reducing the number of high-power devices or using a PoE switch with a higher power budget.
- **Unresponsive PoE Device:** If a PoE device becomes unresponsive, the switch's Recovery Mode should automatically restart it. If not, manually disconnect and reconnect the Ethernet cable to the problematic device's port.
- **Extend Mode Performance:** If using Extend Mode, ensure that only ports 1 and 2 are used for extended distances and that you are using Cat5E or higher Ethernet cables. Performance may vary with cable quality and environmental factors.

6. TECHNICAL SPECIFICATIONS

Below are the detailed technical specifications for the Reolink RLA-PS1E PoE Switch:

Feature	Specification
Brand	Reolink
Model Number	RLA-PS1E
Number of Ports	4 PoE+ ports, 1 Uplink port (5 total)
Data Transfer Rate	10/100/1000 Mbps (Gigabit)
PoE Standard	IEEE 802.3af/at (PoE+)
Max Power per PoE Port	30W
Total PoE Power Budget	65W
Interface Type	RJ45
Compatible Devices	Cameras, Laptops, Wireless Access Points, etc.
Switch Type	Unmanaged
Color	Black
Country of Origin	China



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An image displaying the dimensions of the Reolink PoE Switch: 125.5mm (length) x 76.8mm (width) x 25.5mm (height).

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The Reolink RLA-PS1E PoE Switch comes with a **2-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

7.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please visit the official Reolink website or contact their customer support team. You can find detailed contact information and FAQs on their support pages.