TP-Link AcPoE Switch



Overview

Instructions before installing Pharos outdoor products Passive PoE devices cannot be powered through standard PoE like PoE switches. For more detailed info.

Key Takeaways

TP-Link AcPoE Switches provide both data and power over a single Ethernet cable, supporting PoE and PoE+ standards for efficient network deployment.

Key Features

Power over Ethernet (PoE) Support: TP-Link AcPoE switches support IEEE 802. 3af (PoE) and 802. 3at (PoE+) standards, allowing each port to deliver up to 30W of power, with a total PoE budget depending on the model (e.g., TL-SG1008PE offers 124W total).

This enables devices like IP cameras, VoIP phones, and wireless access points to receive both data and power through a single cable, eliminating the need for separate power adapters. Port Configuration: Models vary in port count, typically ranging from 5 to 24 ports. For example, the TL-SG1005P has 5 Gigabit ports with 4 PoE+ ports, while the TL-SG1008PE has 8 Gigabit ports, all supporting PoE+.

Ports automatically detect compatible PoE devices and supply power accordingly. Management Options: TP-Link offers both unmanaged and smart-managed switches. Unmanaged switches are plug-and-play, requiring no configuration, ideal for simple home or small office setups.

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Smart-managed switches provide features like traffic prioritization, port monitoring, and centralized control for more complex networks. Performance and Reliability: These switches support Gigabit Ethernet speeds (10/100/1000 Mbps) and include features like 802. 1p/DSCP QoS and IGMP Snooping to ensure smooth data traffic, especially for video streaming or VoIP applications.

High-quality metal casings and rigorous reliability testing enhance durability. Energy Efficiency: Many models incorporate Green-IT technology to reduce power consumption by up to 75%, improving energy efficiency without compromising performance. ApplicationsTP-Link AcPoE switches are ideal for: IP Cameras: Powering and connecting surveillance cameras without separate power lines.

Wireless Access Points: Simplifying deployment of Wi-Fi networks in offices or large homes. VoIP Phones: Providing both connectivity and power to desk phones. Small to Medium Business Networks: Expanding network infrastructure efficiently with minimal cabling.

SummaryTP-Link AcPoE switches combine data and power delivery over Ethernet, support PoE and PoE+ standards, and offer both unmanaged and smart-managed options. They are suitable for home, office, and business environments where devices like IP cameras, access points, and VoIP phones need flexible, reliable, and energy-efficient network connectivity.

Article Content

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