

Power Private Network 4U Switch Outdoor Type



Overview

NanoSwitch An outdoor, 4-port Gigabit switch with up to 4 Gbps total, non-blocking line rate YuanLey 4-Port PoE Switch GigabitYuanLey 4-Port Gigabit outdoo.

Key Takeaways

Outdoor 4-port PoE switches provide network connectivity and power to devices like cameras and access points, with weatherproof designs and flexible installation options.Overview

Outdoor PoE switches are designed to deliver both data and power over a single Ethernet cable to connected devices, simplifying installation in areas without nearby power outlets. They are ideal for IP cameras, wireless access points, and other outdoor network devices. These switches are built to withstand harsh weather conditions, often featuring IP67-rated waterproof housings, surge protection, and temperature tolerance from -40°C to 65°C .

Key Features

- Port Configuration: Typically 4 Gigabit Ethernet ports, sometimes with additional uplink ports or SFP slots for fiber connectivity .
- PoE Standards: Options include 24V Passive PoE (Ubiquiti NanoSwitch) or 802.3at/af PoE+ (industrial switches like H40 series), with per-port power ranging from 15W to 30W or more .



- **Outdoor Durability:** Weatherproof and ruggedized enclosures protect against rain, snow, dust, and extreme temperatures. Some models also include IK10 impact resistance and 6–40kV surge protection .

- **Power Management:** Many switches support PoE passthrough, allowing a single PoE input to power multiple devices, and some offer remote management features for rebooting or monitoring connected devices .

- **Installation Flexibility:** Compact designs allow mounting on walls, poles, or masts, reducing cabling complexity and eliminating the need for separate power injectors .

Examples of Outdoor 4-Port Switches

- **Ubiquiti NanoSwitch:** A compact, weatherproof 4-port Gigabit switch using 24V Passive PoE, capable of powering up to three additional devices via a single PoE input. Ideal for Ubiquiti AirMax devices and outdoor cameras .

- **Inscape Data LinkPower LPS:** Offers 2, 4, or 8-port Gigabit PoE switches with remote management, reboot, and power control, suitable for large-scale outdoor deployments .

- **H40-044-30-DC:** Industrial-grade 4-port Gigabit PoE+ switch with 30W per port, 2 additional copper ports, 2 SFP fiber slots, IP67-rated, and surge protection for harsh environments .

Considerations

- **Device Compatibility:** Ensure the switch's PoE standard matches your devices (e.g., 24V Passive PoE vs 802.3at/af).

- **Power Budget:** Check total PoE wattage to support all connected devices.

- **Managed vs Unmanaged:** Managed switches allow VLANs, QoS, and remote monitoring, which is useful for complex outdoor networks .

- **Environmental Ratings:** Confirm IP and IK ratings for your installation location to ensure durability. Outdoor 4-port PoE switches provide a reliable, compact, and weatherproof solution for powering and networking outdoor devices, reducing cabling complexity while supporting high-speed Gigabit connections and remote management capabilities.

Article Content

Ubiquiti Outdoor 4-Port Poe Passthrough Switch

Introducing the Ubiquiti Networks® NanoSwitch™, an unmanaged switch with four Gigabit Ethernet ports. For its total non-blocking

Amazon : Outdoor Network Switch

YuanLey 4-Port PoE Switch Gigabit- Waterproof Outdoor Ethernet Unmanaged Network Switch with VLAN Function, 78W Built-in

DS_NetWaySP4WPX_I02Y

Altronix NetWaySP4WPX Outdoor PoE+ Hardened Switch provides two (2) 1Gb SFP (Fiber) ports and four (4) PoE+ (30W) ports,

Outdoor PoE Network Ethernet Switch Box Manufacturer

Lanbras Outdoor PoE Switch Box is a robust networking solution designed to provide power and data connectivity to outdoor devices

Outdoor enclosure for network switch and fiber panel ...

Outdoor enclosure for network switch and fiber panel recommendation Hello fellow redditors, We are installing PoE+ cameras and

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