Outdoor all-optical switch wiring price

Overview

Discover reliable photoelectric switches for automatic outdoor lighting control. Find dusk-to-dawn sensors that activate at sunset and deactivate at dawn.

Key Takeaways

Outdoor all-optical switches typically range from €180 to over €1,000 depending on port count, speed, and features.

Price Overview

Outdoor optical switches, designed for fiber-optic networks, vary widely in price based on port capacity, data rate, and environmental durability. For example, compact outdoor switches with 10G SFP+ ports can start around €180–€225 including VAT, while larger, high-capacity units with multiple 10G or 100G ports can exceed €1,000 per unit. These prices generally exclude shipping and installation costs.

Factors Affecting Cost

Port Count and Type: More ports, especially SFP+ or 10G/100G capable, increase the price.

Po

E Capability: Outdoor switches with PoE or PoE+ support for powering devices like cameras or access points are more expensive. Weatherproofing: IP65 or higher-rated enclosures for extreme temperatures and moisture add to the cost. Brand and Warranty: Premium brands like Axis or Altronix offer extended warranties and support, which can increase upfront cost but reduce long-term maintenance expenses.

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Additional Features: Remote monitoring, LINQ technology, or built-in battery support can further raise the price. Purchasing GuidanceSmall-scale deployments: For a few outdoor devices, a 4–5 port PoE+ outdoor switch with optical uplink may cost €200–€400. Enterprise or high-speed networks: Larger optical switches with 10G/100G SFP+ ports and multiple PoE outputs can range from €800–€1,500 or more.

Vendors: Consider suppliers like Mouser Electronics for optical switches, Intellinet for outdoor PoE switches, or Axis Communications for premium outdoor solutions.

Summary

The cost of outdoor all-optical switch wiring depends on network speed, port count, PoE support, and environmental protection. For typical outdoor fiber-optic setups, expect prices from €180 for basic units to over €1,000 for high-capacity, feature-rich switches. Always factor in installation, cabling, and potential maintenance when budgeting.

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