

# Power over Ethernet (PoE) Switches Market Size, Share, Forecast to 2034 - Exclusive Report by MRFR

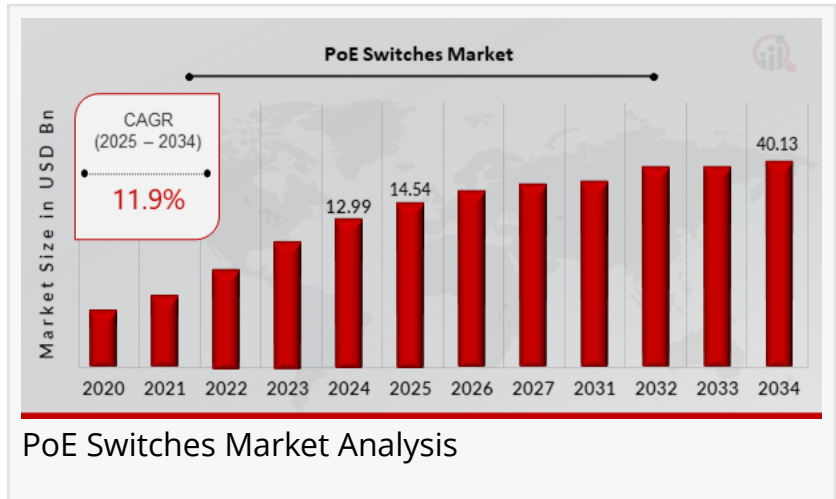
*PoE Switches Market Research Report By Switch Type, Power over Ethernet Standard, Port Configuration, Application, Regional*

CA, UNITED STATES, January 9, 2025

/EINPresswire.com/ -- The [Power over Ethernet \(PoE\) Switches Market](#) is

experiencing significant growth, driven by advancements in IoT, smart city projects, and the increasing demand for seamless connectivity in

enterprises and residential spaces. The market size was estimated at USD 12.99 billion in 2024, and it is expected to grow from USD 14.54 billion in 2025 to USD 40.13 billion by 2034, exhibiting an impressive CAGR of 11.9% during the forecast period (2025–2034).



PoE switches, which combine data and power delivery over a single Ethernet cable, are becoming the backbone of modern networking solutions, enabling simplified installations, reduced costs, and improved scalability for a wide range of applications.

## Market Drivers

### Growing IoT Adoption:

The proliferation of IoT devices across industries has amplified the need for robust networking solutions, boosting PoE switch demand.

### Smart City Development:

PoE switches are integral to smart city projects, enabling the deployment of connected devices for public safety, transportation, and infrastructure management.

### Rising Demand for Wireless Connectivity:

Increased adoption of wireless access points in enterprises, campuses, and public spaces drives the market.

### Cost-Effective Network Solutions:

PoE switches reduce installation costs by eliminating the need for separate power cabling, making them an economical choice for businesses.

### Advancements in Network Technologies:

The emergence of high-speed PoE switches and the integration of advanced features like AI and analytics enhance their appeal.

□□□□□□□□ □□□□□□ □□□□□□

[https://www.marketresearchfuture.com/sample\\_request/22280](https://www.marketresearchfuture.com/sample_request/22280)

### Key Companies in the PoE Switches Market Include:

- DLink
- HP Inc.
- 3Com
- Allied Data Technologies
- Dell Technologies
- Moxa Technologies
- Allied Telesis
- Cisco Systems
- Huawei Technologies
- Netgear
- Adtran
- Extreme Networks
- TPLink
- Zyxel Communications

□□□□□□ □□-□□□□□□ □□□□□□ □□□□□□□□ □□□□□□

<https://www.marketresearchfuture.com/reports/poe-switches-market-22280>

### Market Segmentation

The PoE Switches Market can be segmented based on type, port count, application, and geography.

#### By Type

##### Managed PoE Switches:

These offer greater control, monitoring, and configuration capabilities, making them ideal for enterprise and industrial applications.

##### Unmanaged PoE Switches:

Cost-effective solutions commonly used in small-scale networks with basic connectivity requirements.

### By Port Count

#### 4 to 8 Ports:

Commonly used in small offices and homes for powering devices like IP cameras and wireless access points.

#### 16 to 24 Ports:

Suitable for medium-sized businesses and schools with higher device connectivity needs.

#### Above 24 Ports:

Designed for large enterprises, data centers, and industrial environments with extensive network infrastructures.

### By Application

#### Enterprise Networking:

High demand for PoE switches in corporate environments for powering VoIP phones, surveillance systems, and wireless access points.

#### Industrial Automation:

PoE switches are critical for industrial IoT solutions, enabling connectivity for sensors, cameras, and control systems.

#### Residential Solutions:

Increasing adoption of smart home devices like video doorbells, surveillance cameras, and smart lighting systems.

#### Smart City Infrastructure:

PoE switches play a key role in smart city projects, powering public Wi-Fi, surveillance networks, and traffic management systems.

### By Region

#### North America:

Dominates the market due to high adoption of advanced technologies, smart buildings, and IoT-driven solutions.

#### Europe:

Growing investments in smart city initiatives and enterprise networks are driving demand for PoE switches.

### Asia-Pacific:

Expected to witness the fastest growth, fueled by rapid urbanization, industrial automation, and increasing IT infrastructure.

### Middle East & Africa and Latin America:

Moderate growth is driven by digital transformation initiatives and expansion of network connectivity in emerging markets.

## Challenges

### High Initial Costs:

The upfront cost of PoE switches, especially for managed solutions, may hinder adoption in small businesses and emerging economies.

### Limited Power Capacity:

Standard PoE solutions face limitations in powering high-wattage devices, driving the need for advancements like PoE++ (IEEE 802.3bt).

### Security Concerns:

With increased network connectivity comes heightened risks of cyberattacks, necessitating robust security protocols in PoE switches.

□□□□□□ □□□□□□□□ □□□□□□□□ □□□□□□ □□□:

[https://www.marketresearchfuture.com/checkout?currency=one\\_user-USD&report\\_id=22280](https://www.marketresearchfuture.com/checkout?currency=one_user-USD&report_id=22280)

## Future Trends

### Advancements in PoE Standards:

The adoption of PoE++ technology, supporting higher power outputs, will enable connectivity for devices like digital signage, PTZ cameras, and smart lighting systems.

### Integration with AI and Analytics:

Managed PoE switches with built-in analytics and AI capabilities will enable intelligent monitoring and optimization of network performance.

### Expansion in Smart Homes:

The growing popularity of smart home devices will drive demand for small-scale PoE solutions for residential use.

### Green Networking Solutions:

Increasing focus on energy-efficient networking devices will lead to the development of eco-friendly PoE switches.

Edge Computing Growth:

PoE switches will play a pivotal role in enabling edge computing solutions by powering and connecting edge devices.

□□□□□□ □□□□□□:

Explosion Proof Equipment System Market-

<https://www.marketresearchfuture.com/reports/explosion-proof-equipment-system-market-23855>

Handwriting Digital Pen Market- <https://www.marketresearchfuture.com/reports/handwriting-digital-pen-market-23914>

Industrial Robot Arm Market- <https://www.marketresearchfuture.com/reports/industrial-robot-arm-market-23845>

Integrated Microwave Assembly Market-

<https://www.marketresearchfuture.com/reports/integrated-microwave-assembly-market-23896>

Laser Pointer Market- <https://www.marketresearchfuture.com/reports/laser-pointer-market-23848>

Market Research Future

Market Research Future

+1 855-661-4441

[email us here](#)

---

This press release can be viewed online at: <https://www.einpresswire.com/article/775478004>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.