

Power over Ethernet (PoE) Devices Market to Cross USD 2.79 Billion by 2032 | SNS Insider

The Power over Ethernet (PoE) Devices Market is growing with demand for smart networking, enabling efficient power and data transmission in IoT and IT systems.

AUSTIN, TX, UNITED STATES, February 7, 2025 /EINPresswire.com/ -- Market Size & Industry Insights

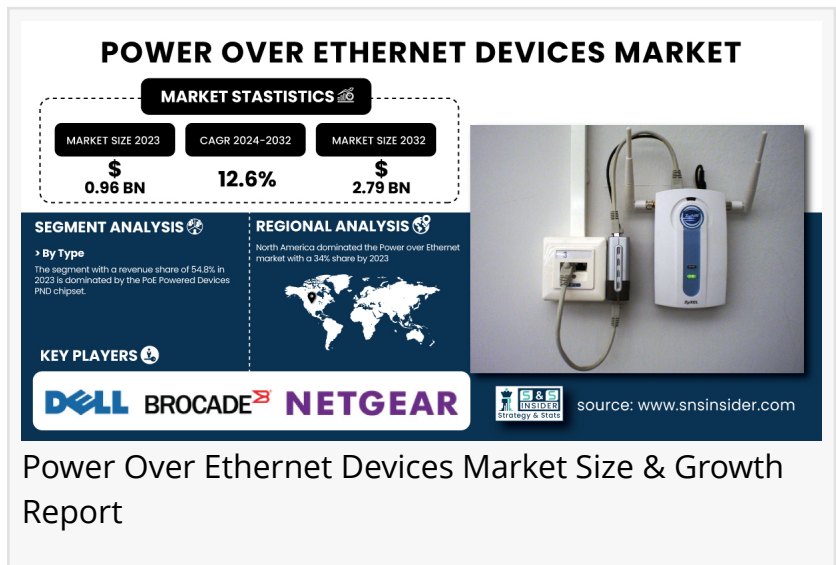
As Per the SNS Insider, "The [Power over Ethernet Devices Market](#) Size was valued at USD 0.96 billion in 2023 and is expected to reach USD 2.79 billion by 2032 and grow at a CAGR of 12.6% over the forecast period 2024-2032."

The growth in Internet of Things (IoT) devices, alongside smart homes and smart cities is spurring a demand for energy-efficient power solutions. Power Over Ethernet (PoE) technology simplifies installation and reduces costs by transferring power along with data using just one Ethernet cable, and is useful for commercial, industrial, and residential environments.

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SWOT Analysis of Key Players as follows:

- ISCO
- Avaya
- HP
- Dell
- Brocade
- Alcatel-Lucent
- Netgear
- Juniper
- D-Link



- Extreme
- Adtran
- Alaxala
- Huawei
- ZTE

By Type, PoE Power Sourcing Equipment (PSE) Chipsets dominating and, PoE Powered Devices (PD) Chipsets Fastest Growing

PoE Power Sourcing Equipment (PSE) Chipsets lead the market due to their crucial role in delivering power to devices via Ethernet cables. These chipsets are critical for PoE switches, injectors, and hubs, allowing users to power multiple network devices, with demand driven by the ability to manage centralized power in commercial and industrial environments.

PoE Powered Devices (PD) Chipsets are the fastest-growing segment during the 2024-2032 forecast period. PoE chipsets enable IoT devices such as IP cameras, wireless access points, and VoIP phones to obtain power and data through Ethernet and are being increasingly used in smart building solutions.

By Standard, 802.3bt standard is the dominant and fastest growing

The 802.3bt standard is the dominant and fastest-growing segment in the Power over Ethernet (PoE) Devices Market. The power delivery capability of up to 60 watts (Type 3) and 100 watts (Type 4) from this standard is fueling growth, as it can accommodate high-power devices such as advanced security cameras, multi-line IP phones, and smart building infrastructure. Due to the growing need for higher power solutions, 802.3bt is anticipated to dominate the market in the assessment period.

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By, Device Dominant and Fastest-Growing Segment Ethernet Switch & Injector

Ethernet switches and injectors are essential components in a network infrastructure, enabling efficient power and data distribution. These devices are key enablers of centralized power management, making them indispensable in commercial, industrial, and large-scale network infrastructures. Due to their importance in powering various devices over a single Ethernet connection, they constitute the fastest-growing and largest segment in the PoE market, driven by widespread adoption across various industries, including telecom, healthcare, and smart buildings.

By End Use, Commercial segment is the dominant and fastest growing

The commercial Segment is dominating and fastest growing over the forecast period (2024-2032)

In commercial applications, the requirement for energy-efficient power sources and cost-effective solutions to supply energy to devices such as IP cameras, wireless access points, and VoIP phones is serving as an impetus for the development of PoE devices. Additionally, the widespread move to the smart building concept and the management of power supply from a single point serve to strengthen the commercial segment superiority.

Regional Analysis of the Power over Ethernet (PoE) Market: North America, Europe, and Asia Pacific

The North American Power over Ethernet (PoE) Market holds the largest share during the study period, driven by the presence of major IT and telecom companies, which promotes rapid growth.

The European PoE Market is also growing rapidly where Germany and UK are among the economically powerful nations. In the United Kingdom, the market with the highest share, and in Germany, the fastest-growing market, the healthcare and automotive industries are this region's two biggest contributors.

Asia Pacific Power over Ethernet (PoE) Market is growing with demand, especially in urban areas, but the market is still in its infancy. The bulk of the growth will be supported through smart city initiatives, increasing incomes, and improved living standards in China led by a wide margin, but the fastest pace of growth in India.

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