Power Over Ethernet Controller Market Projected to Reach $3.7 Billion by 2033, Driven by 11.7% CAGR

Power Over Ethernet Controller Market was valued at $1.3 billion in 2023, is projected to reach $3.7 billion by 2033, grow at a CAGR of 11.7% from 2024-2033.

Power Over Ethernet Controller Market_

WILMINGTON, NEW CASTLE, DE, UNITED STATES, June 20, 2025 /EINPresswire.com/ -- According to a new report published by Allied Market Research, titled, "Power Over Ethernet Controller Market By Type, Power Standard, and Application: Global Opportunity Analysis and Industry Forecast, 2024-2033," The report offers a detailed analysis of the top winning strategies, evolving market trends, market size and estimations, value chain, key investment pockets, drivers & opportunities, competitive landscape and regional landscape. The report is a useful source of information for new entrants, shareholders, frontrunners and shareholders in introducing necessary strategies for the future and taking essential steps to significantly strengthen and heighten their position in the market. The power over ethernet controller market was valued at $1.3 billion in 2023, and is estimated to reach $3.7 billion by 2033, growing at a CAGR of 11.7% from 2024 to 2033.

> In 2023, the PoE power sourcing equipment (PSE) controller segment accounted for maximum revenue and is projected to grow at a notable CAGR during the forecast period.”
>
> *Roshan Deshmukh*

Download Sample Report: https://www.alliedmarketresearch.com/request-sample/1924

Power over Ethernet (PoE) is a technology for implementing wired Ethernet local area networks (LANs) that enables the electrical current necessary for operating each device to be carried by Ethernet data cables instead of standard

electrical power cords and wiring. It is a technology that passes electric power over twisted-pair Ethernet cable to powered devices (PDs), such as wireless access points, IP cameras, and VoIP phones, in addition to the data that the cable usually carries. This is made possible through a PoE controller IC or power over Ethernet IC, which manages both the power delivery and data transmission through the same cable. It enables one RJ45 cable to provide both data connection and electric power to PDs, eliminating the need for a separate power cable for each device.

Rise in prevalence of Internet of Things (IoT) devices drives the power over ethernet (PoE) controller market expansion. IoT devices, such as smart cameras, sensors, and home automation systems, require both reliable power and seamless data connectivity, which PoE provides through a single cable. This streamlined approach minimizes installation complexity and operational costs, particularly in expanding sectors such as smart cities and industrial IoT. As organizations embrace IoT for enhanced efficiency and real-time analytics, PoE controllers become a pivotal enabler, offering scalability and compatibility for diverse applications, thus fueling the growth of power over ethernet controller industry.

The power over ethernet controller market trends is segmented on the basis of type, power standard, application, and region. By Type, the market is divided into PoE power sourcing equipment (PSE) Controller and PoE powered devices (PD) Controller. By power standard, the power over ethernet controller market size is segmented into IEEE 802.3a, IEEE 802.3at, and IEEE 802.3bt. By application, the power over ethernet controller market analysis is classified into commercial, industrial, and residential.By region, it is analyzed across North America (the U.S., Canada, and Mexico), Europe (UK, Germany, France, Italy and the rest of Europe), Asia-Pacific (China, Japan, India, South Korea, Taiwan, and rest of Asia-Pacific), and LAMEA (Latin America, the Middle East, and Africa).

By type, the PoE Power Sourcing Equipment (PSE) Controller segment accounted for a major share in the market in 2023, owing to its ability to efficiently deliver power to multiple devices such as IP cameras, VoIP phones, and wireless access points through a single Ethernet cable, thereby reducing the need for additional power infrastructure and simplifying network installations. This efficiency and cost-effectiveness have made PSE controllers a preferred choice for various applications, driving their significant market share.

By power standard, the IEEE 802.3at segment dominated the Power over Ethernet (PoE) Controller market in 2023, owing to its enhanced power delivery capabilities, which support higher power devices like PTZ cameras and advanced wireless access points. The IEEE 802.3at standard, also known as PoE+, provides up to 30 watts of power per port, making it suitable for a wider range of devices and applications, thus contributing to its dominance in the market.

By application, the commercial segment dominated the Power over Ethernet (PoE) industry in 2023, owing to the increasing adoption of PoE technology in office buildings, retail spaces, and healthcare facilities. The commercial sector benefits from PoE's ability to centralize power management, reduce installation costs, and enhance the flexibility of network deployments,

which are critical factors driving its widespread adoption and market leadership.

Buy This Research Report (332 Pages PDF with Insights, Charts, Tables, and Figures): https://www.alliedmarketresearch.com/checkout-final/2e5381fe7dd6347f42c33c5b40adc1ad

By region, the Asia-Pacific segment dominated the Power over Ethernet (PoE) industry in 2023, owing to the rapid growth of smart city projects, increasing investments in network infrastructure, and the rising adoption of IoT devices across countries like China, Japan, and India. The region's focus on technological advancements and digital transformation initiatives has significantly boosted the demand for PoE solutions, positioning Asia-Pacific as a leading market for PoE technology.

Competitive analysis and profiles of the major power over ethernet controller industry players, such as Microchip Technology Inc., Analog Devices, Inc, STMicroelectronics, Semiconductor Components Industries, LLC., Broadcom Inc., Cisco Systems, Inc., Texas Instruments Incorporated, Belden Inc., Monolithic Power Systems, Inc., Kinetic Technologies are provided in this report. Product launch, partnership, and acquisition business strategies were adopted by the major market players in 2023.

Key Benefits For Stakeholders:

 This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the power over ethernet controller market analysis from 2023 to 2033 to identify the prevailing power over ethernet controller market opportunities.
 The market research is offered along with information related to key drivers, restraints, and opportunities.
 Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
 In-depth analysis of the power over ethernet controller market segmentation assists to determine the prevailing power over ethernet controller market opportunity.
 Major countries in each region are mapped according to their revenue contribution to the global market.
 Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
 The report includes the analysis of the regional as well as global power over ethernet controller industry trends, key players, market segments, application areas, and market growth strategies.

Reasons to Buy This Robotic Sensors Market Report:

 Procure strategically important competitor information, analysis, and insights to formulate effective R&D strategies.
 Recognize emerging players with potentially strong product portfolio and create effective

counter-strategies to gain competitive advantage.
 Classify potential new clients or partners in the target demographic.
 Develop tactical initiatives by understanding the focus areas of leading companies.
 Plan mergers and acquisitions meritoriously by identifying Top Manufacturer.
 Develop and design in-licensing and out-licensing strategies by identifying prospective partners with the most attractive projects to enhance and expand business potential and Scope.
 Report will be updated with the latest data and delivered to you within 2-4 working days of order.
 Suitable for supporting your internal and external presentations with reliable high-quality data and analysis.
 Create regional and country strategies on the basis of local data and analysis.

Enquiry About Report: https://www.alliedmarketresearch.com/purchase-enquiry/A118421

Explore AMR's Extensive ongoing Coverage on Semiconductor and Electronics Domain:

 Piezoelectric Sensor Market Opportunity Analysis and Industry Forecast, 2022-2031
https://www.alliedmarketresearch.com/piezoelectric-sensor-market-A31325

 CO2 Gas Sensor Market Opportunity Analysis and Industry Forecast, 2021-2031
https://www.alliedmarketresearch.com/co2-gas-sensor-market-A31534

 Encoder Market Opportunity Analysis and Industry Forecast, 2021-2031
https://www.alliedmarketresearch.com/encoder-market-A14570

 5G Infrastructure Market Opportunity Analysis and Industry Forecast, 2021-2030
https://www.alliedmarketresearch.com/5g-infrastructure-market

 Touchless Sensing Market Opportunity Analysis and Industry Forecast, 2021-2031
https://www.alliedmarketresearch.com/touchless-sensing-market-A31333

 Automotive LiDAR Sensors Market Opportunity Analysis and Industry Forecast, 2021-2031
https://www.alliedmarketresearch.com/automotive-LIDAR-sensors-market

 Embedded Antenna Systems Market Opportunity Analysis and Industry Forecast, 2021-2031
https://www.alliedmarketresearch.com/embedded-antenna-systems-market-A17488

 Passive Optical Component Market Opportunity Analysis and Industry Forecast, 2022-2031
https://www.alliedmarketresearch.com/passive-optical-components-market

David Correa
Allied Market Research
+ 1800-792-5285

email us here
Visit us on social media:
LinkedIn
Facebook
YouTube
X
