

# Global On-board Ethernet Physical Layer Chip Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global On-board Ethernet Physical Layer Chip market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

On-board Ethernet can not only support higher rate transmission, but also have large bandwidth, low delay and low electromagnetic interference

Disturbance and other advantages, as well as the normalization of the link connection form, reduce the vehicle link type and cost, and can be widely used in entertainment, ADAS, Internet of Vehicles and other systems. Therefore, on-board Ethernet is expected to gradually replace the traditional bus technology and become the next generation of on-board network architecture.

Ethernet circuit interface is mainly composed of data link layer (MAC) and physical layer (PHY). At present, most of the automotive processors have included MAC control, while Ethernet physical layer chip (PHY) is used as an independent chip to provide Ethernet access channel, which plays the role of connecting the processor and communication media.

This report studies the global On-board Ethernet Physical Layer Chip production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for On-board Ethernet Physical Layer Chip, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of On-board Ethernet

Physical Layer Chip that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global On-board Ethernet Physical Layer Chip total production and demand, 2018-2029, (K Units)

Global On-board Ethernet Physical Layer Chip total production value, 2018-2029, (USD Million)

Global On-board Ethernet Physical Layer Chip production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global On-board Ethernet Physical Layer Chip consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: On-board Ethernet Physical Layer Chip domestic production, consumption, key domestic manufacturers and share

Global On-board Ethernet Physical Layer Chip production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global On-board Ethernet Physical Layer Chip production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global On-board Ethernet Physical Layer Chip production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global On-board Ethernet Physical Layer Chip market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Marvell, Broadcom Inc, Realtek Semiconductor Corp, Texas Instruments, NXP Semiconductors and Motorcomm Electronic, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World On-board Ethernet Physical Layer Chip market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global On-board Ethernet Physical Layer Chip Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global On-board Ethernet Physical Layer Chip Market, Segmentation by Type

5 GE

Global On-board Ethernet Physical Layer Chip Market, Segmentation by Application

Passenger Cars

## Commercial Vehicles

### Companies Profiled:

Marvell

Broadcom Inc

Realtek Semiconductor Corp

Texas Instruments

NXP Semiconductors

Motorcomm Electronic

### Key Questions Answered

1. How big is the global On-board Ethernet Physical Layer Chip market?
2. What is the demand of the global On-board Ethernet Physical Layer Chip market?
3. What is the year over year growth of the global On-board Ethernet Physical Layer Chip market?
4. What is the production and production value of the global On-board Ethernet Physical Layer Chip market?
5. Who are the key producers in the global On-board Ethernet Physical Layer Chip market?
6. What are the growth factors driving the market demand?

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