

Global 100M Ethernet PHY Transceiver Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global 100M Ethernet PHY Transceiver market size is expected to reach \$ 783 million by 2032, rising at a market growth of 3.4% CAGR during the forecast period (2026-2032).

100M Ethernet PHY Transceiver is a specialized integrated circuit designed to handle physical layer signal transmission and reception, line encoding, and link management. It ensures media access, electrical compatibility, and stable physical layer performance, supporting connectivity requirements across data centers, industrial networks, and consumer applications. The upstream sector primarily includes silicon wafers and substrates, packaging and testing materials, and high-precision manufacturing equipment for lithography, etching, and ion implantation. Representative suppliers include SUMCO, GlobalWafers, Shin-Etsu, and Shanghai Silicon Industry Group (China) for wafer materials; Amkor and JCET for packaging and testing; and ASML, Applied Materials, Lam Research, and AMEC (China) for semiconductor manufacturing equipment. The midstream processes focus on integrating physical layer intellectual property (IP), designing analog front ends, mixed-signal verification, packaging and testing flow development, as well as yield and signal integrity optimization. Downstream customers are primarily distributed in data centers, industrial automation, consumer electronics, and automotive industries, with representative clients including Siemens, ABB, Apple, Toyota, and Chinese companies such as Huawei and BYD. In 2025, the production of 100M Ethernet PHY transceivers was 1.0 billion units, and the average price was USD 0.6 per unit. The capacity utilization rate was 70% in 2025, and the industry average gross margin was approximately 40%.

100M Ethernet PHY Transceiver will remain relevant in embedded networking where cost, power consumption, stability, and long lifecycle matter more than bandwidth

expansion. Industrial control, smart meters, access devices, building automation, and IoT gateways still rely on 100M Ethernet for reliable wired communication and mature system compatibility. While higher-speed Ethernet will take over bandwidth-intensive applications, 100M PHY keeps clear value in control signals, status monitoring, edge equipment, and cost-sensitive terminals. Competition will focus less on raw speed and more on low power design, electromagnetic compatibility, industrial temperature reliability, package size, supply stability, and long-term product availability.

This report studies the global 100M Ethernet PHY Transceiver production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for 100M Ethernet PHY Transceiver and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of 100M Ethernet PHY Transceiver that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global 100M Ethernet PHY Transceiver total production and demand, 2021-2032, (Million Units)

Global 100M Ethernet PHY Transceiver total production value, 2021-2032, (USD Million)

Global 100M Ethernet PHY Transceiver production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)

Global 100M Ethernet PHY Transceiver consumption by region & country, CAGR, 2021-2032 & (Million Units)

U.S. VS China: 100M Ethernet PHY Transceiver domestic production, consumption, key domestic manufacturers and share

Global 100M Ethernet PHY Transceiver production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)

Global 100M Ethernet PHY Transceiver production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

Global 100M Ethernet PHY Transceiver production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global 100M Ethernet PHY Transceiver 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 Broadcom (USA), Marvell Technology (USA), Microchip Technology (USA), Texas Instruments (USA), Qualcomm (USA), NXP Semiconductors (Netherlands), Infineon Technologies (Germany), Analog Devices (USA), MaxLinear (USA), Renesas Electronics (Japan), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World 100M Ethernet PHY Transceiver market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global 100M Ethernet PHY Transceiver Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global 100M Ethernet PHY Transceiver Market, Segmentation by Type:

Single-Port

Multi-Port

Global 100M Ethernet PHY Transceiver Market, Segmentation by Voltage:

3.3V

2.5V

Others

Global 100M Ethernet PHY Transceiver Market, Segmentation by Package:

QFN Package

LQFP Package

Others

Global 100M Ethernet PHY Transceiver Market, Segmentation by Interface:

MII Type

RMII Type

Others

Global 100M Ethernet PHY Transceiver Market, Segmentation by Application:

Data Centers

Industrial Automation

Consumer Electronics

Automotive

Others

Companies Profiled:

Broadcom (USA)

Marvell Technology (USA)

Microchip Technology (USA)

Texas Instruments (USA)

Qualcomm (USA)

NXP Semiconductors (Netherlands)

Infineon Technologies (Germany)

Analog Devices (USA)

MaxLinear (USA)

Renesas Electronics (Japan)

MediaTek (China Taiwan)

Realtek Semiconductor (Taiwan)

Motorcomm Electronic Technology (China)

Key Questions Answered:

1. How big is the global 100M Ethernet PHY Transceiver market?
2. What is the demand of the global 100M Ethernet PHY Transceiver market?
3. What is the year over year growth of the global 100M Ethernet PHY Transceiver

market?

4. What is the production and production value of the global 100M Ethernet PHY Transceiver market?

5. Who are the key producers in the global 100M Ethernet PHY Transceiver market?

6. What are the growth factors driving the market demand?

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