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# Global Fast-charging Protocol Power Management ICs Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Fast-charging Protocol Power Management ICs market size is expected to reach $ 1323 million by 2032, rising at a market growth of 6.6% CAGR during the forecast period (2026-2032).

Fast-charging Protocol Power Management ICs are application-specific integrated circuits that integrate fast charging protocol parsing, intelligent power regulation and power management functions. Their core role is to achieve negotiated matching of voltage, current and power between charging devices and powered devices, ensuring high efficiency, compatibility and safety of high-power charging. Built with mainstream fast charging protocol stacks, the chips can automatically identify the protocol type of the connected device and dynamically adjust output power levels. They also integrate multiple protection mechanisms such as overvoltage, overcurrent, overheating and short circuit protection, balancing charging efficiency and device safety. Widely used in adapters, power banks, car chargers and terminal equipment, they are core components for realizing fast charging, supporting multi-protocol compatibility, high-power fast charging and low-power management, and providing standardized and intelligent high-power charging power management solutions for consumer electronics, new energy portable devices and other fields.In 2025, the global sales volume of Fast-charging Protocol Power Management ICs will reach approximately 980 million units, with an average price of about 0.85 US dollars per unit and an average industry gross margin of around 38%.

Fast-charging Protocol Power Management ICs are evolving toward higher integration, full-protocol compatibility, intelligence, and wide-scenario application. Products continue to integrate protocol engines, power drivers and security protection functions, and work with GaN devices to improve power density and energy efficiency. Multi-protocol

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adaptation has become mainstream, and programmable architectures support protocol iteration and OTA upgrades. Technically, intelligent power regulation and battery health management are integrated to strengthen hardware security protection. Applications are expanding from consumer electronics to notebooks, energy storage and automotive-grade markets, with bidirectional power supply and multi-port collaboration becoming standard. Local manufacturers are accelerating technological breakthroughs, promoting domestic substitution and high-end development, while industry competition focuses on solution integration and ecological adaptability.

This report studies the global Fast-charging Protocol Power Management ICs production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Fast-charging Protocol Power Management ICs 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 Fast-charging Protocol Power Management ICs that contribute to its increasing demand across many markets.

**Highlights and key features of the study**
Global Fast-charging Protocol Power Management ICs total production and demand, 2021-2032, (Million Units)
Global Fast-charging Protocol Power Management ICs total production value, 2021-2032, (USD Million)
Global Fast-charging Protocol Power Management ICs production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)
Global Fast-charging Protocol Power Management ICs consumption by region & country, CAGR, 2021-2032 & (Million Units)
U.S. VS China: Fast-charging Protocol Power Management ICs domestic production, consumption, key domestic manufacturers and share
Global Fast-charging Protocol Power Management ICs production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)
Global Fast-charging Protocol Power Management ICs production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)
Global Fast-charging Protocol Power Management ICs production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global Fast-charging Protocol Power Management

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ICs 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 Fuman, Texas Instruments, Infineon Technologies, STMicroelectronics, ROHM, Microchip Technology, Power Integrations, Renesas Electronics, Monolithic Power Systems, Chipown, 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 Fast-charging Protocol Power Management ICs 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 Fast-charging Protocol Power Management ICs Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

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Global Fast-charging Protocol Power Management ICs Market, Segmentation by Type:

Single-Protocol Fast-Charge PMIC

Multi-Protocol Fast-Charge PMIC

Global Fast-charging Protocol Power Management ICs Market, Segmentation by Application:

Consumer Electronics Adapters

Portable Power & Energy Storage

Automotive Electronics

Other

Companies Profiled:

Fuman

Texas Instruments

Infineon Technologies

STMicroelectronics

ROHM

Microchip Technology

Power Integrations

Renesas Electronics

Monolithic Power Systems

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Chipown

Southchip

Injoinic

JADARD TECHNOLOGY INC.

Silicon Mitus

Halo Microelectronics Group Co., Ltd.

Richtek Technology

Weltrend Semiconductor

onsemi

Diodes Incorporated

Nisshinbo Micro Devices

Shenzhen Xinmao Microelectronics Co., Ltd.

NLPSEMI

Shaoxing Guangda Xinye Microelectronics Co., Ltd.

Shenzhen Ruichen Technology Co., Ltd.

Jiangxi Tianyi Semiconductor Co., Ltd.

China Resources Microelectronics Limited

**Key Questions Answered:**

1. How big is the global Fast-charging Protocol Power Management ICs market?
2. What is the demand of the global Fast-charging Protocol Power Management ICs market?

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3. What is the year over year growth of the global Fast-charging Protocol Power Management ICs market?
4. What is the production and production value of the global Fast-charging Protocol Power Management ICs market?
5. Who are the key producers in the global Fast-charging Protocol Power Management ICs market?
6. What are the growth factors driving the market demand?

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