

Global Smart Grid Terminal Device Chips Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Smart Grid Terminal Device Chips market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

The main products of smart grid terminal equipment chips refer to energy metering chips, smart meter MCU chips and carrier communication chips, which are all important components to realize the core functions of smart grid.

According to our Semiconductor Research Center, in 2022, the global semiconductor equipment was valued at US\$ 109 billion. China mainland, China Taiwan and South Korea have a combined market share over 70%. North America, Europe and Japan, have a combined market share of 23%. The key drivers are high performance computing, AI, cloud computing, Servers, 5G and EV (electric vehicle), etc.

This report is a detailed and comprehensive analysis for global Smart Grid Terminal Device Chips market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Smart Grid Terminal Device Chips market size and forecasts, in consumption

value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Smart Grid Terminal Device Chips market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Smart Grid Terminal Device Chips market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Smart Grid Terminal Device Chips market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Smart Grid Terminal Device Chips
- To forecast future growth in each product and end-use market
- To forecast future factors affecting the marketplace

This report profiles key players in the global Smart Grid Terminal Device Chips market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Renesas Electronics, OKI, STMicroelectronics, Texas Instruments, Hi-trend Technology, Shanghai Fudan Microelectronics, Shanghai Belling, Beijing Smartchip Microelectronics, Hisilicon, Eastsoft Communication Technology, etc.

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

Market Segmentation

Smart Grid Terminal Device Chips market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

- Energy Metering Chips
- Smart Meter MCU Chips
- Carrier Communication Chips
- Others

Market segment by Application

- Industrial Application
- Commercial Application
- Public Utility
- Others

Major players covered

- Renesas Electronics
- OKI
- STMicroelectronics
- Texas Instruments
- Hi-trend Technology
- Shanghai Fudan Microelectronics
- Shanghai Belling

Beijing Smartchip Microelectronics

Hisilicon

Eastsoft Communication Technology

Leaguerme

Triductor Technology

Qingdao Topscomm Communication

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Smart Grid Terminal Device Chips product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Smart Grid Terminal Device Chips, with price, sales quantity, revenue, and global market share of Smart Grid Terminal Device Chips from 2020 to 2025.

Chapter 3, the Smart Grid Terminal Device Chips competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Smart Grid Terminal Device Chips breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market

share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Smart Grid Terminal Device Chips market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Smart Grid Terminal Device Chips.

Chapter 14 and 15, to describe Smart Grid Terminal Device Chips sales channel, distributors, customers, research findings and conclusion.

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