

Global Broadband Power Line Carrier Communication Chip Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Broadband Power Line Carrier Communication Chip market size was valued at US\$ 3862 million in 2025 and is forecast to a readjusted size of US\$ 5134 million by 2032 with a CAGR of 4.2% during review period.

A broadband power line carrier communication chip is a chip that transmits high-speed data through existing power lines. It uses the power line network for both power supply and data communication without the need for additional wiring. This type of chip usually supports high-speed broadband transmission and has the characteristics of strong anti-interference ability, low latency, and flexible networking. Since data is transmitted through existing power lines, the cost is low and it is particularly suitable for scenarios that require large-scale coverage.

This report is a detailed and comprehensive analysis for global Broadband Power Line Carrier Communication Chip 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 Broadband Power Line Carrier Communication Chip market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices

(US\$/Unit), 2021-2032

Global Broadband Power Line Carrier Communication Chip market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Broadband Power Line Carrier Communication Chip market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Broadband Power Line Carrier Communication Chip market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

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 Broadband Power Line Carrier Communication Chip

- To forecast future growth in each product and end-use market

- To assess competitive factors affecting the marketplace

This report profiles key players in the global Broadband Power Line Carrier Communication Chip 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 Qualcomm, Maxim Integrated, STMicroelectronics, Microchip Technology, Analog Devices, ON Semiconductor, NXP Semiconductors, Triductor Technology, Smartchip Microelectronics Technology, Hisilicon, etc.

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

Market Segmentation

Broadband Power Line Carrier Communication Chip market is split by Type and by Application. For the period 2021-2032, 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

6 Channel ADC

8 Channel ADC

Others

Market segment by Application

Smart Grid

Industrial Control

Instrumentation

Others

Major players covered

Qualcomm

Maxim Integrated

STMicroelectronics

Microchip Technology

Analog Devices

ON Semiconductor

NXP Semiconductors

Triductor Technology

Smartchip Microelectronics Technology

Hisilicon

Eastsoft

Leaguer MicroElectronics

Topscomm Communication

Clouder Semiconductor

Wuqi Microelectronics

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 Broadband Power Line Carrier Communication Chip product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Broadband Power Line Carrier Communication Chip, with price, sales quantity, revenue, and global market share of Broadband Power Line Carrier Communication Chip from 2021 to 2026.

Chapter 3, the Broadband Power Line Carrier Communication Chip competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Broadband Power Line Carrier Communication Chip breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and Broadband Power Line Carrier Communication Chip market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Broadband Power Line Carrier Communication Chip.

Chapter 14 and 15, to describe Broadband Power Line Carrier Communication Chip sales channel, distributors, customers, research findings and conclusion.

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