

# **Global Power Line Communication (PLC) Systems Market 2024 by Company, Regions, Type and Application, Forecast to 2030**

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## **Abstracts**

According to our (Global Info Research) latest study, the global Power Line Communication (PLC) Systems market size was valued at USD 7385.8 million in 2023 and is forecast to a readjusted size of USD 14530 million by 2030 with a CAGR of 10.1% during review period.

Power Line Communication (PLC) is a communication technology that enables sending data over existing power cables. This means that, with just power cables running to an electronic device (for example) one can both power it up and at the same time control/retrieve data from it in a half-duplex manner.

Global Power Line Communication (PLC) Systems key players include ABB, General Electric, Siemens, AMETEK, etc. Global top four manufacturers hold a share over 15%.

Europe is the largest market, with a share over 30%, followed by North America and China, both have a share about 43 percent.

In terms of product, Broadband PLC is the largest segment, with a share over 60%. And in terms of application, the largest application is Smart Grid, followed by Residential, Commercial etc, Automotive, etc.

The Global Info Research report includes an overview of the development of the Power Line Communication (PLC) Systems industry chain, the market status of Commercial (Narrowband PLC, Broadband PLC), Residential (Narrowband PLC, Broadband PLC), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Power Line

## Communication (PLC) Systems.

Regionally, the report analyzes the Power Line Communication (PLC) Systems markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Power Line Communication (PLC) Systems market, with robust domestic demand, supportive policies, and a strong manufacturing base.

### Key Features:

The report presents comprehensive understanding of the Power Line Communication (PLC) Systems market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Power Line Communication (PLC) Systems industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., Narrowband PLC, Broadband PLC).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Power Line Communication (PLC) Systems market.

**Regional Analysis:** The report involves examining the Power Line Communication (PLC) Systems market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Power Line Communication (PLC) Systems market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Power Line Communication (PLC) Systems:

**Company Analysis:** Report covers individual Power Line Communication (PLC) Systems players, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Power Line Communication (PLC) Systems. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Commercial, Residential).

**Technology Analysis:** Report covers specific technologies relevant to Power Line Communication (PLC) Systems. It assesses the current state, advancements, and potential future developments in Power Line Communication (PLC) Systems areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Power Line Communication (PLC) Systems market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Power Line Communication (PLC) Systems market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

### Market segment by Type

Narrowband PLC

Broadband PLC

### Market segment by Application

Commercial

Residential

Smart Grid

Automotive

Others

Market segment by players, this report covers

ABB

General Electric

Siemens

Maxim Integrated

Devolo

Cypress Semiconductor

Microchip

ST Microelectronics

Panasonic

AMETEK

NETGEAR

Qualcomm Atheros

TP-Link Technologies

Texas Instruments

Zyxel Communications

NXP Semiconductor NV

Renesas Electronics Corporation

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

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

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

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Power Line Communication (PLC) Systems product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Power Line Communication (PLC) Systems, with revenue, gross margin and global market share of Power Line Communication (PLC) Systems from 2019 to 2024.

Chapter 3, the Power Line Communication (PLC) Systems competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with

revenue and market share for key countries in the world, from 2019 to 2024.and Power Line Communication (PLC) Systems market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Power Line Communication (PLC) Systems.

Chapter 13, to describe Power Line Communication (PLC) Systems research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope of Power Line Communication (PLC) Systems

1.2 Market Estimation Caveats and Base Year

1.3 Classification of Power Line Communication (PLC) Systems by Type

1.3.1 Overview: Global Power Line Communication (PLC) Systems Market Size by Type: 2019 Versus 2023 Versus 2030

1.3.2 Global Power Line Communication (PLC) Systems Consumption Value Market Share by Type in 2023

1.3.3 Narrowband PLC

1.3.4 Broadband PLC

1.4 Global Power Line Communication (PLC) Systems Market by Application

1.4.1 Overview: Global Power Line Communication (PLC) Systems Market Size by Application: 2019 Versus 2023 Versus 2030

1.4.2 Commercial

1.4.3 Residential

1.4.4 Smart Grid

1.4.5 Automotive

1.4.6 Others

1.5 Global Power Line Communication (PLC) Systems Market Size & Forecast

1.6 Global Power Line Communication (PLC) Systems Market Size and Forecast by Region

1.6.1 Global Power Line Communication (PLC) Systems Market Size by Region: 2019 VS 2023 VS 2030

1.6.2 Global Power Line Communication (PLC) Systems Market Size by Region, (2019-2030)

1.6.3 North America Power Line Communication (PLC) Systems Market Size and Prospect (2019-2030)

1.6.4 Europe Power Line Communication (PLC) Systems Market Size and Prospect (2019-2030)

1.6.5 Asia-Pacific Power Line Communication (PLC) Systems Market Size and Prospect (2019-2030)

1.6.6 South America Power Line Communication (PLC) Systems Market Size and Prospect (2019-2030)

1.6.7 Middle East and Africa Power Line Communication (PLC) Systems Market Size and Prospect (2019-2030)

## 2 COMPANY PROFILES

### 2.1 ABB

#### 2.1.1 ABB Details

#### 2.1.2 ABB Major Business

#### 2.1.3 ABB Power Line Communication (PLC) Systems Product and Solutions

#### 2.1.4 ABB Power Line Communication (PLC) Systems Revenue, Gross Margin and Market Share (2019-2024)

#### 2.1.5 ABB Recent Developments and Future Plans

### 2.2 General Electric

#### 2.2.1 General Electric Details

#### 2.2.2 General Electric Major Business

#### 2.2.3 General Electric Power Line Communication (PLC) Systems Product and Solutions

#### 2.2.4 General Electric Power Line Communication (PLC) Systems Revenue, Gross Margin and Market Share (2019-2024)

#### 2.2.5 General Electric Recent Developments and Future Plans

### 2.3 Siemens

#### 2.3.1 Siemens Details

#### 2.3.2 Siemens Major Business

#### 2.3.3 Siemens Power Line Communication (PLC) Systems Product and Solutions

#### 2.3.4 Siemens Power Line Communication (PLC) Systems Revenue, Gross Margin and Market Share (2019-2024)

#### 2.3.5 Siemens Recent Developments and Future Plans

### 2.4 Maxim Integrated

#### 2.4.1 Maxim Integrated Details

#### 2.4.2 Maxim Integrated Major Business

#### 2.4.3 Maxim Integrated Power Line Communication (PLC) Systems Product and Solutions

#### 2.4.4 Maxim Integrated Power Line Communication (PLC) Systems Revenue, Gross Margin and Market Share (2019-2024)

#### 2.4.5 Maxim Integrated Recent Developments and Future Plans

### 2.5 Devolo

#### 2.5.1 Devolo Details

#### 2.5.2 Devolo Major Business

#### 2.5.3 Devolo Power Line Communication (PLC) Systems Product and Solutions

#### 2.5.4 Devolo Power Line Communication (PLC) Systems Revenue, Gross Margin and Market Share (2019-2024)

#### 2.5.5 Devolo Recent Developments and Future Plans



## 2.6 Cypress Semiconductor

### 2.6.1 Cypress Semiconductor Details

### 2.6.2 Cypress Semiconductor Major Business

### 2.6.3 Cypress Semiconductor Power Line Communication (PLC) Systems Product and Solutions

### 2.6.4 Cypress Semiconductor Power Line Communication (PLC) Systems Revenue, Gross Margin and Market Share (2019-2024)

### 2.6.5 Cypress Semiconductor Recent Developments and Future Plans

## 2.7 Microchip

### 2.7.1 Microchip Details

### 2.7.2 Microchip Major Business

### 2.7.3 Microchip Power Line Communication (PLC) Systems Product and Solutions

### 2.7.4 Microchip Power Line Communication (PLC) Systems Revenue, Gross Margin and Market Share (2019-2024)

### 2.7.5 Microchip Recent Developments and Future Plans

## 2.8 ST Microelectronics

### 2.8.1 ST Microelectronics Details

### 2.8.2 ST Microelectronics Major Business

### 2.8.3 ST Microelectronics Power Line Communication (PLC) Systems Product and Solutions

### 2.8.4 ST Microelectronics Power Line Communication (PLC) Systems Revenue, Gross Margin and Market Share (2019-2024)

### 2.8.5 ST Microelectronics Recent Developments and Future Plans

## 2.9 Panasonic

### 2.9.1 Panasonic Details

### 2.9.2 Panasonic Major Business

### 2.9.3 Panasonic Power Line Communication (PLC) Systems Product and Solutions

### 2.9.4 Panasonic Power Line Communication (PLC) Systems Revenue, Gross Margin and Market Share (2019-2024)

### 2.9.5 Panasonic Recent Developments and Future Plans

## 2.10 AMETEK

### 2.10.1 AMETEK Details

### 2.10.2 AMETEK Major Business

### 2.10.3 AMETEK Power Line Communication (PLC) Systems Product and Solutions

### 2.10.4 AMETEK Power Line Communication (PLC) Systems Revenue, Gross Margin and Market Share (2019-2024)

### 2.10.5 AMETEK Recent Developments and Future Plans

## 2.11 NETGEAR

### 2.11.1 NETGEAR Details

- 2.11.2 NETGEAR Major Business
- 2.11.3 NETGEAR Power Line Communication (PLC) Systems Product and Solutions
- 2.11.4 NETGEAR Power Line Communication (PLC) Systems Revenue, Gross Margin and Market Share (2019-2024)
- 2.11.5 NETGEAR Recent Developments and Future Plans
- 2.12 Qualcomm Atheros
  - 2.12.1 Qualcomm Atheros Details
  - 2.12.2 Qualcomm Atheros Major Business
  - 2.12.3 Qualcomm Atheros Power Line Communication (PLC) Systems Product and Solutions
  - 2.12.4 Qualcomm Atheros Power Line Communication (PLC) Systems Revenue, Gross Margin and Market Share (2019-2024)
  - 2.12.5 Qualcomm Atheros Recent Developments and Future Plans
- 2.13 TP-Link Technologies
  - 2.13.1 TP-Link Technologies Details
  - 2.13.2 TP-Link Technologies Major Business
  - 2.13.3 TP-Link Technologies Power Line Communication (PLC) Systems Product and Solutions
  - 2.13.4 TP-Link Technologies Power Line Communication (PLC) Systems Revenue, Gross Margin and Market Share (2019-2024)
  - 2.13.5 TP-Link Technologies Recent Developments and Future Plans
- 2.14 Texas Instruments
  - 2.14.1 Texas Instruments Details
  - 2.14.2 Texas Instruments Major Business
  - 2.14.3 Texas Instruments Power Line Communication (PLC) Systems Product and Solutions
  - 2.14.4 Texas Instruments Power Line Communication (PLC) Systems Revenue, Gross Margin and Market Share (2019-2024)
  - 2.14.5 Texas Instruments Recent Developments and Future Plans
- 2.15 Zyxel Communications
  - 2.15.1 Zyxel Communications Details
  - 2.15.2 Zyxel Communications Major Business
  - 2.15.3 Zyxel Communications Power Line Communication (PLC) Systems Product and Solutions
  - 2.15.4 Zyxel Communications Power Line Communication (PLC) Systems Revenue, Gross Margin and Market Share (2019-2024)
  - 2.15.5 Zyxel Communications Recent Developments and Future Plans
- 2.16 NXP Semiconductor NV
  - 2.16.1 NXP Semiconductor NV Details

2.16.2 NXP Semiconductor NV Major Business

2.16.3 NXP Semiconductor NV Power Line Communication (PLC) Systems Product and Solutions

2.16.4 NXP Semiconductor NV Power Line Communication (PLC) Systems Revenue, Gross Margin and Market Share (2019-2024)

2.16.5 NXP Semiconductor NV Recent Developments and Future Plans

2.17 Renesas Electronics Corporation

2.17.1 Renesas Electronics Corporation Details

2.17.2 Renesas Electronics Corporation Major Business

2.17.3 Renesas Electronics Corporation Power Line Communication (PLC) Systems Product and Solutions

2.17.4 Renesas Electronics Corporation Power Line Communication (PLC) Systems Revenue, Gross Margin and Market Share (2019-2024)

2.17.5 Renesas Electronics Corporation Recent Developments and Future Plans

### **3 MARKET COMPETITION, BY PLAYERS**

3.1 Global Power Line Communication (PLC) Systems Revenue and Share by Players (2019-2024)

3.2 Market Share Analysis (2023)

3.2.1 Market Share of Power Line Communication (PLC) Systems by Company Revenue

3.2.2 Top 3 Power Line Communication (PLC) Systems Players Market Share in 2023

3.2.3 Top 6 Power Line Communication (PLC) Systems Players Market Share in 2023

3.3 Power Line Communication (PLC) Systems Market: Overall Company Footprint Analysis

3.3.1 Power Line Communication (PLC) Systems Market: Region Footprint

3.3.2 Power Line Communication (PLC) Systems Market: Company Product Type Footprint

3.3.3 Power Line Communication (PLC) Systems Market: Company Product Application Footprint

3.4 New Market Entrants and Barriers to Market Entry

3.5 Mergers, Acquisition, Agreements, and Collaborations

### **4 MARKET SIZE SEGMENT BY TYPE**

4.1 Global Power Line Communication (PLC) Systems Consumption Value and Market Share by Type (2019-2024)

4.2 Global Power Line Communication (PLC) Systems Market Forecast by Type

(2025-2030)

## **5 MARKET SIZE SEGMENT BY APPLICATION**

5.1 Global Power Line Communication (PLC) Systems Consumption Value Market Share by Application (2019-2024)

5.2 Global Power Line Communication (PLC) Systems Market Forecast by Application (2025-2030)

## **6 NORTH AMERICA**

6.1 North America Power Line Communication (PLC) Systems Consumption Value by Type (2019-2030)

6.2 North America Power Line Communication (PLC) Systems Consumption Value by Application (2019-2030)

6.3 North America Power Line Communication (PLC) Systems Market Size by Country

6.3.1 North America Power Line Communication (PLC) Systems Consumption Value by Country (2019-2030)

6.3.2 United States Power Line Communication (PLC) Systems Market Size and Forecast (2019-2030)

6.3.3 Canada Power Line Communication (PLC) Systems Market Size and Forecast (2019-2030)

6.3.4 Mexico Power Line Communication (PLC) Systems Market Size and Forecast (2019-2030)

## **7 EUROPE**

7.1 Europe Power Line Communication (PLC) Systems Consumption Value by Type (2019-2030)

7.2 Europe Power Line Communication (PLC) Systems Consumption Value by Application (2019-2030)

7.3 Europe Power Line Communication (PLC) Systems Market Size by Country

7.3.1 Europe Power Line Communication (PLC) Systems Consumption Value by Country (2019-2030)

7.3.2 Germany Power Line Communication (PLC) Systems Market Size and Forecast (2019-2030)

7.3.3 France Power Line Communication (PLC) Systems Market Size and Forecast (2019-2030)

7.3.4 United Kingdom Power Line Communication (PLC) Systems Market Size and

Forecast (2019-2030)

7.3.5 Russia Power Line Communication (PLC) Systems Market Size and Forecast (2019-2030)

7.3.6 Italy Power Line Communication (PLC) Systems Market Size and Forecast (2019-2030)

## **8 ASIA-PACIFIC**

8.1 Asia-Pacific Power Line Communication (PLC) Systems Consumption Value by Type (2019-2030)

8.2 Asia-Pacific Power Line Communication (PLC) Systems Consumption Value by Application (2019-2030)

8.3 Asia-Pacific Power Line Communication (PLC) Systems Market Size by Region

8.3.1 Asia-Pacific Power Line Communication (PLC) Systems Consumption Value by Region (2019-2030)

8.3.2 China Power Line Communication (PLC) Systems Market Size and Forecast (2019-2030)

8.3.3 Japan Power Line Communication (PLC) Systems Market Size and Forecast (2019-2030)

8.3.4 South Korea Power Line Communication (PLC) Systems Market Size and Forecast (2019-2030)

8.3.5 India Power Line Communication (PLC) Systems Market Size and Forecast (2019-2030)

8.3.6 Southeast Asia Power Line Communication (PLC) Systems Market Size and Forecast (2019-2030)

8.3.7 Australia Power Line Communication (PLC) Systems Market Size and Forecast (2019-2030)

## **9 SOUTH AMERICA**

9.1 South America Power Line Communication (PLC) Systems Consumption Value by Type (2019-2030)

9.2 South America Power Line Communication (PLC) Systems Consumption Value by Application (2019-2030)

9.3 South America Power Line Communication (PLC) Systems Market Size by Country

9.3.1 South America Power Line Communication (PLC) Systems Consumption Value by Country (2019-2030)

9.3.2 Brazil Power Line Communication (PLC) Systems Market Size and Forecast (2019-2030)

### 9.3.3 Argentina Power Line Communication (PLC) Systems Market Size and Forecast (2019-2030)

## 10 MIDDLE EAST & AFRICA

### 10.1 Middle East & Africa Power Line Communication (PLC) Systems Consumption Value by Type (2019-2030)

### 10.2 Middle East & Africa Power Line Communication (PLC) Systems Consumption Value by Application (2019-2030)

### 10.3 Middle East & Africa Power Line Communication (PLC) Systems Market Size by Country

#### 10.3.1 Middle East & Africa Power Line Communication (PLC) Systems Consumption Value by Country (2019-2030)

#### 10.3.2 Turkey Power Line Communication (PLC) Systems Market Size and Forecast (2019-2030)

#### 10.3.3 Saudi Arabia Power Line Communication (PLC) Systems Market Size and Forecast (2019-2030)

#### 10.3.4 UAE Power Line Communication (PLC) Systems Market Size and Forecast (2019-2030)

## 11 MARKET DYNAMICS

### 11.1 Power Line Communication (PLC) Systems Market Drivers

### 11.2 Power Line Communication (PLC) Systems Market Restraints

### 11.3 Power Line Communication (PLC) Systems Trends Analysis

### 11.4 Porters Five Forces Analysis

#### 11.4.1 Threat of New Entrants

#### 11.4.2 Bargaining Power of Suppliers

#### 11.4.3 Bargaining Power of Buyers

#### 11.4.4 Threat of Substitutes

#### 11.4.5 Competitive Rivalry

## 12 INDUSTRY CHAIN ANALYSIS

### 12.1 Power Line Communication (PLC) Systems Industry Chain

### 12.2 Power Line Communication (PLC) Systems Upstream Analysis

### 12.3 Power Line Communication (PLC) Systems Midstream Analysis

### 12.4 Power Line Communication (PLC) Systems Downstream Analysis

## **13 RESEARCH FINDINGS AND CONCLUSION**

## **14 APPENDIX**

14.1 Methodology

14.2 Research Process and Data Source

14.3 Disclaimer



## List Of Tables

### LIST OF TABLES

Table 1. Global Power Line Communication (PLC) Systems Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Power Line Communication (PLC) Systems Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Global Power Line Communication (PLC) Systems Consumption Value by Region (2019-2024) & (USD Million)

Table 4. Global Power Line Communication (PLC) Systems Consumption Value by Region (2025-2030) & (USD Million)

Table 5. ABB Company Information, Head Office, and Major Competitors

Table 6. ABB Major Business

Table 7. ABB Power Line Communication (PLC) Systems Product and Solutions

Table 8. ABB Power Line Communication (PLC) Systems Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 9. ABB Recent Developments and Future Plans

Table 10. General Electric Company Information, Head Office, and Major Competitors

Table 11. General Electric Major Business

Table 12. General Electric Power Line Communication (PLC) Systems Product and Solutions

Table 13. General Electric Power Line Communication (PLC) Systems Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 14. General Electric Recent Developments and Future Plans

Table 15. Siemens Company Information, Head Office, and Major Competitors

Table 16. Siemens Major Business

Table 17. Siemens Power Line Communication (PLC) Systems Product and Solutions

Table 18. Siemens Power Line Communication (PLC) Systems Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 19. Siemens Recent Developments and Future Plans

Table 20. Maxim Integrated Company Information, Head Office, and Major Competitors

Table 21. Maxim Integrated Major Business

Table 22. Maxim Integrated Power Line Communication (PLC) Systems Product and Solutions

Table 23. Maxim Integrated Power Line Communication (PLC) Systems Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 24. Maxim Integrated Recent Developments and Future Plans

Table 25. Devolo Company Information, Head Office, and Major Competitors



Table 26. Devolo Major Business

Table 27. Devolo Power Line Communication (PLC) Systems Product and Solutions

Table 28. Devolo Power Line Communication (PLC) Systems Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 29. Devolo Recent Developments and Future Plans

Table 30. Cypress Semiconductor Company Information, Head Office, and Major Competitors

Table 31. Cypress Semiconductor Major Business

Table 32. Cypress Semiconductor Power Line Communication (PLC) Systems Product and Solutions

Table 33. Cypress Semiconductor Power Line Communication (PLC) Systems Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 34. Cypress Semiconductor Recent Developments and Future Plans

Table 35. Microchip Company Information, Head Office, and Major Competitors

Table 36. Microchip Major Business

Table 37. Microchip Power Line Communication (PLC) Systems Product and Solutions

Table 38. Microchip Power Line Communication (PLC) Systems Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 39. Microchip Recent Developments and Future Plans

Table 40. ST Microelectronics Company Information, Head Office, and Major Competitors

Table 41. ST Microelectronics Major Business

Table 42. ST Microelectronics Power Line Communication (PLC) Systems Product and Solutions

Table 43. ST Microelectronics Power Line Communication (PLC) Systems Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 44. ST Microelectronics Recent Developments and Future Plans

Table 45. Panasonic Company Information, Head Office, and Major Competitors

Table 46. Panasonic Major Business

Table 47. Panasonic Power Line Communication (PLC) Systems Product and Solutions

Table 48. Panasonic Power Line Communication (PLC) Systems Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 49. Panasonic Recent Developments and Future Plans

Table 50. AMETEK Company Information, Head Office, and Major Competitors

Table 51. AMETEK Major Business

Table 52. AMETEK Power Line Communication (PLC) Systems Product and Solutions

Table 53. AMETEK Power Line Communication (PLC) Systems Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 54. AMETEK Recent Developments and Future Plans

Table 55. NETGEAR Company Information, Head Office, and Major Competitors

Table 56. NETGEAR Major Business

Table 57. NETGEAR Power Line Communication (PLC) Systems Product and Solutions

Table 58. NETGEAR Power Line Communication (PLC) Systems Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 59. NETGEAR Recent Developments and Future Plans

Table 60. Qualcomm Atheros Company Information, Head Office, and Major Competitors

Table 61. Qualcomm Atheros Major Business

Table 62. Qualcomm Atheros Power Line Communication (PLC) Systems Product and Solutions

Table 63. Qualcomm Atheros Power Line Communication (PLC) Systems Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 64. Qualcomm Atheros Recent Developments and Future Plans

Table 65. TP-Link Technologies Company Information, Head Office, and Major Competitors

Table 66. TP-Link Technologies Major Business

Table 67. TP-Link Technologies Power Line Communication (PLC) Systems Product and Solutions

Table 68. TP-Link Technologies Power Line Communication (PLC) Systems Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 69. TP-Link Technologies Recent Developments and Future Plans

Table 70. Texas Instruments Company Information, Head Office, and Major Competitors

Table 71. Texas Instruments Major Business

Table 72. Texas Instruments Power Line Communication (PLC) Systems Product and Solutions

Table 73. Texas Instruments Power Line Communication (PLC) Systems Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 74. Texas Instruments Recent Developments and Future Plans

Table 75. Zyxel Communications Company Information, Head Office, and Major Competitors

Table 76. Zyxel Communications Major Business

Table 77. Zyxel Communications Power Line Communication (PLC) Systems Product and Solutions

Table 78. Zyxel Communications Power Line Communication (PLC) Systems Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 79. Zyxel Communications Recent Developments and Future Plans

Table 80. NXP Semiconductor NV Company Information, Head Office, and Major

## Competitors

Table 81. NXP Semiconductor NV Major Business

Table 82. NXP Semiconductor NV Power Line Communication (PLC) Systems Product and Solutions

Table 83. NXP Semiconductor NV Power Line Communication (PLC) Systems Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 84. NXP Semiconductor NV Recent Developments and Future Plans

Table 85. Renesas Electronics Corporation Company Information, Head Office, and Major Competitors

Table 86. Renesas Electronics Corporation Major Business

Table 87. Renesas Electronics Corporation Power Line Communication (PLC) Systems Product and Solutions

Table 88. Renesas Electronics Corporation Power Line Communication (PLC) Systems Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 89. Renesas Electronics Corporation Recent Developments and Future Plans

Table 90. Global Power Line Communication (PLC) Systems Revenue (USD Million) by Players (2019-2024)

Table 91. Global Power Line Communication (PLC) Systems Revenue Share by Players (2019-2024)

Table 92. Breakdown of Power Line Communication (PLC) Systems by Company Type (Tier 1, Tier 2, and Tier 3)

Table 93. Market Position of Players in Power Line Communication (PLC) Systems, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2023

Table 94. Head Office of Key Power Line Communication (PLC) Systems Players

Table 95. Power Line Communication (PLC) Systems Market: Company Product Type Footprint

Table 96. Power Line Communication (PLC) Systems Market: Company Product Application Footprint

Table 97. Power Line Communication (PLC) Systems New Market Entrants and Barriers to Market Entry

Table 98. Power Line Communication (PLC) Systems Mergers, Acquisition, Agreements, and Collaborations

Table 99. Global Power Line Communication (PLC) Systems Consumption Value (USD Million) by Type (2019-2024)

Table 100. Global Power Line Communication (PLC) Systems Consumption Value Share by Type (2019-2024)

Table 101. Global Power Line Communication (PLC) Systems Consumption Value Forecast by Type (2025-2030)

Table 102. Global Power Line Communication (PLC) Systems Consumption Value by

Application (2019-2024)

Table 103. Global Power Line Communication (PLC) Systems Consumption Value Forecast by Application (2025-2030)

Table 104. North America Power Line Communication (PLC) Systems Consumption Value by Type (2019-2024) & (USD Million)

Table 105. North America Power Line Communication (PLC) Systems Consumption Value by Type (2025-2030) & (USD Million)

Table 106. North America Power Line Communication (PLC) Systems Consumption Value by Application (2019-2024) & (USD Million)

Table 107. North America Power Line Communication (PLC) Systems Consumption Value by Application (2025-2030) & (USD Million)

Table 108. North America Power Line Communication (PLC) Systems Consumption Value by Country (2019-2024) & (USD Million)

Table 109. North America Power Line Communication (PLC) Systems Consumption Value by Country (2025-2030) & (USD Million)

Table 110. Europe Power Line Communication (PLC) Systems Consumption Value by Type (2019-2024) & (USD Million)

Table 111. Europe Power Line Communication (PLC) Systems Consumption Value by Type (2025-2030) & (USD Million)

Table 112. Europe Power Line Communication (PLC) Systems Consumption Value by Application (2019-2024) & (USD Million)

Table 113. Europe Power Line Communication (PLC) Systems Consumption Value by Application (2025-2030) & (USD Million)

Table 114. Europe Power Line Communication (PLC) Systems Consumption Value by Country (2019-2024) & (USD Million)

Table 115. Europe Power Line Communication (PLC) Systems Consumption Value by Country (2025-2030) & (USD Million)

Table 116. Asia-Pacific Power Line Communication (PLC) Systems Consumption Value by Type (2019-2024) & (USD Million)

Table 117. Asia-Pacific Power Line Communication (PLC) Systems Consumption Value by Type (2025-2030) & (USD Million)

Table 118. Asia-Pacific Power Line Communication (PLC) Systems Consumption Value by Application (2019-2024) & (USD Million)

Table 119. Asia-Pacific Power Line Communication (PLC) Systems Consumption Value by Application (2025-2030) & (USD Million)

Table 120. Asia-Pacific Power Line Communication (PLC) Systems Consumption Value by Region (2019-2024) & (USD Million)

Table 121. Asia-Pacific Power Line Communication (PLC) Systems Consumption Value by Region (2025-2030) & (USD Million)

Table 122. South America Power Line Communication (PLC) Systems Consumption Value by Type (2019-2024) & (USD Million)

Table 123. South America Power Line Communication (PLC) Systems Consumption Value by Type (2025-2030) & (USD Million)

Table 124. South America Power Line Communication (PLC) Systems Consumption Value by Application (2019-2024) & (USD Million)

Table 125. South America Power Line Communication (PLC) Systems Consumption Value by Application (2025-2030) & (USD Million)

Table 126. South America Power Line Communication (PLC) Systems Consumption Value by Country (2019-2024) & (USD Million)

Table 127. South America Power Line Communication (PLC) Systems Consumption Value by Country (2025-2030) & (USD Million)

Table 128. Middle East & Africa Power Line Communication (PLC) Systems Consumption Value by Type (2019-2024) & (USD Million)

Table 129. Middle East & Africa Power Line Communication (PLC) Systems Consumption Value by Type (2025-2030) & (USD Million)

Table 130. Middle East & Africa Power Line Communication (PLC) Systems Consumption Value by Application (2019-2024) & (USD Million)

Table 131. Middle East & Africa Power Line Communication (PLC) Systems Consumption Value by Application (2025-2030) & (USD Million)

Table 132. Middle East & Africa Power Line Communication (PLC) Systems Consumption Value by Country (2019-2024) & (USD Million)

Table 133. Middle East & Africa Power Line Communication (PLC) Systems Consumption Value by Country (2025-2030) & (USD Million)

Table 134. Power Line Communication (PLC) Systems Raw Material

Table 135. Key Suppliers of Power Line Communication (PLC) Systems Raw Materials



## List Of Figures

### LIST OF FIGURES

Figure 1. Power Line Communication (PLC) Systems Picture

Figure 2. Global Power Line Communication (PLC) Systems Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Power Line Communication (PLC) Systems Consumption Value Market Share by Type in 2023

Figure 4. Narrowband PLC

Figure 5. Broadband PLC

Figure 6. Global Power Line Communication (PLC) Systems Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 7. Power Line Communication (PLC) Systems Consumption Value Market Share by Application in 2023

Figure 8. Commercial Picture

Figure 9. Residential Picture

Figure 10. Smart Grid Picture

Figure 11. Automotive Picture

Figure 12. Others Picture

Figure 13. Global Power Line Communication (PLC) Systems Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 14. Global Power Line Communication (PLC) Systems Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 15. Global Market Power Line Communication (PLC) Systems Consumption Value (USD Million) Comparison by Region (2019 & 2023 & 2030)

Figure 16. Global Power Line Communication (PLC) Systems Consumption Value Market Share by Region (2019-2030)

Figure 17. Global Power Line Communication (PLC) Systems Consumption Value Market Share by Region in 2023

Figure 18. North America Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 19. Europe Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 20. Asia-Pacific Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 21. South America Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 22. Middle East and Africa Power Line Communication (PLC) Systems

Consumption Value (2019-2030) & (USD Million)

Figure 23. Global Power Line Communication (PLC) Systems Revenue Share by Players in 2023

Figure 24. Power Line Communication (PLC) Systems Market Share by Company Type (Tier 1, Tier 2 and Tier 3) in 2023

Figure 25. Global Top 3 Players Power Line Communication (PLC) Systems Market Share in 2023

Figure 26. Global Top 6 Players Power Line Communication (PLC) Systems Market Share in 2023

Figure 27. Global Power Line Communication (PLC) Systems Consumption Value Share by Type (2019-2024)

Figure 28. Global Power Line Communication (PLC) Systems Market Share Forecast by Type (2025-2030)

Figure 29. Global Power Line Communication (PLC) Systems Consumption Value Share by Application (2019-2024)

Figure 30. Global Power Line Communication (PLC) Systems Market Share Forecast by Application (2025-2030)

Figure 31. North America Power Line Communication (PLC) Systems Consumption Value Market Share by Type (2019-2030)

Figure 32. North America Power Line Communication (PLC) Systems Consumption Value Market Share by Application (2019-2030)

Figure 33. North America Power Line Communication (PLC) Systems Consumption Value Market Share by Country (2019-2030)

Figure 34. United States Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 35. Canada Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 36. Mexico Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 37. Europe Power Line Communication (PLC) Systems Consumption Value Market Share by Type (2019-2030)

Figure 38. Europe Power Line Communication (PLC) Systems Consumption Value Market Share by Application (2019-2030)

Figure 39. Europe Power Line Communication (PLC) Systems Consumption Value Market Share by Country (2019-2030)

Figure 40. Germany Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 41. France Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 42. United Kingdom Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 43. Russia Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 44. Italy Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 45. Asia-Pacific Power Line Communication (PLC) Systems Consumption Value Market Share by Type (2019-2030)

Figure 46. Asia-Pacific Power Line Communication (PLC) Systems Consumption Value Market Share by Application (2019-2030)

Figure 47. Asia-Pacific Power Line Communication (PLC) Systems Consumption Value Market Share by Region (2019-2030)

Figure 48. China Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 49. Japan Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 50. South Korea Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 51. India Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 52. Southeast Asia Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 53. Australia Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 54. South America Power Line Communication (PLC) Systems Consumption Value Market Share by Type (2019-2030)

Figure 55. South America Power Line Communication (PLC) Systems Consumption Value Market Share by Application (2019-2030)

Figure 56. South America Power Line Communication (PLC) Systems Consumption Value Market Share by Country (2019-2030)

Figure 57. Brazil Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 58. Argentina Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 59. Middle East and Africa Power Line Communication (PLC) Systems Consumption Value Market Share by Type (2019-2030)

Figure 60. Middle East and Africa Power Line Communication (PLC) Systems Consumption Value Market Share by Application (2019-2030)

Figure 61. Middle East and Africa Power Line Communication (PLC) Systems



Consumption Value Market Share by Country (2019-2030)

Figure 62. Turkey Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 63. Saudi Arabia Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 64. UAE Power Line Communication (PLC) Systems Consumption Value (2019-2030) & (USD Million)

Figure 65. Power Line Communication (PLC) Systems Market Drivers

Figure 66. Power Line Communication (PLC) Systems Market Restraints

Figure 67. Power Line Communication (PLC) Systems Market Trends

Figure 68. Porters Five Forces Analysis

Figure 69. Manufacturing Cost Structure Analysis of Power Line Communication (PLC) Systems in 2023

Figure 70. Manufacturing Process Analysis of Power Line Communication (PLC) Systems

Figure 71. Power Line Communication (PLC) Systems Industrial Chain

Figure 72. Methodology

Figure 73. Research Process and Data Source

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