

Global Power Line Communications (PLC) IC 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 Power Line Communications (PLC) IC market size was valued at US\$ 3395 million in 2024 and is forecast to a readjusted size of USD 7139 million by 2031 with a CAGR of 11.3% during review period.

Following a strong growth of 26.2 percent in the year 2021, WSTS revised it down to a single digit growth for the worldwide semiconductor market in 2022 with a total size of US\$580 billion, up 4.4 percent. WSTS lowered growth estimation as inflation rises and end markets seeing weaker demand, especially those exposed to consumer spending. While some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.8 percent, Sensors with 16.3 percent, and Logic with 14.5 percent growth. Memory declined with 12.6 percent year over year. In 2022, all geographical regions showed double-digit growth except Asia Pacific. The largest region, Asia Pacific, declined 2.0 percent. Sales in the Americas were US\$142.1 billion, up 17.0% year-on-year, sales in Europe were US\$53.8 billion, up 12.6% year-on-year, and sales in Japan were US\$48.1 billion, up 10.0% year-on-year. However, sales in the largest Asia-Pacific region were US\$336.2 billion, down 2.0% year-on-year.

This report is a detailed and comprehensive analysis for global Power Line Communications (PLC) IC 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 Power Line Communications (PLC) IC market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Power Line Communications (PLC) IC 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 Power Line Communications (PLC) IC 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 Power Line Communications (PLC) IC 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 Power Line Communications (PLC) IC

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 Power Line Communications (PLC) IC 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 STMicroelectronics, Onsemi, Infineon Technologies, Leaguerme, Nisshinbo Micro Devices, Renesas Electronics Corporation, Maxim Integrated, Intellon (Qualcomm Atheros), Microchip, Shanghai Belling, etc.

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

Market Segmentation

Power Line Communications (PLC) IC 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

Broadband PLC ICs

Narrowband PLC ICs

Mid-band PLC ICs

Market segment by Application

Distribution Network Automation

Smart Meter/Meter Reading

Smart Street Light

Smart Home

Others

Major players covered

STMicroelectronics

Onsemi

Infineon Technologies

Leaguerme

Nisshinbo Micro Devices

Renesas Electronics Corporation

Maxim Integrated

Intellon (Qualcomm Atheros)

Microchip

Shanghai Belling

ADI

Hisilicon

Beijing Xiaocheng

Qingdao Topscomm

Beijing Siliconductor

Shanghai Clouder Semiconductor

Triductor Technology

Eastsoft

Zhuhai Sinowell

Aerospace C.Power Science and Technology

Hangzhou Unicomsemi

SPIDCOM Technologies

SiConnect

Leaguer (Shenzhen) Microelectronics

Risecomm

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 Power Line Communications (PLC) IC product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Power Line Communications (PLC) IC, with price, sales quantity, revenue, and global market share of Power Line Communications (PLC) IC from 2020 to 2025.

Chapter 3, the Power Line Communications (PLC) IC competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Power Line Communications (PLC) IC 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 Power Line Communications (PLC) IC 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 Power Line Communications (PLC) IC.

Chapter 14 and 15, to describe Power Line Communications (PLC) IC sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Power Line Communications (PLC) IC Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Broadband PLC ICs

1.3.3 Narrowband PLC ICs

1.3.4 Mid-band PLC ICs

1.4 Market Analysis by Application

1.4.1 Overview: Global Power Line Communications (PLC) IC Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Distribution Network Automation

1.4.3 Smart Meter/Meter Reading

1.4.4 Smart Street Light

1.4.5 Smart Home

1.4.6 Others

1.5 Global Power Line Communications (PLC) IC Market Size & Forecast

1.5.1 Global Power Line Communications (PLC) IC Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Power Line Communications (PLC) IC Sales Quantity (2020-2031)

1.5.3 Global Power Line Communications (PLC) IC Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 STMicroelectronics

2.1.1 STMicroelectronics Details

2.1.2 STMicroelectronics Major Business

2.1.3 STMicroelectronics Power Line Communications (PLC) IC Product and Services

2.1.4 STMicroelectronics Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 STMicroelectronics Recent Developments/Updates

2.2 Onsemi

2.2.1 Onsemi Details

2.2.2 Onsemi Major Business

2.2.3 Onsemi Power Line Communications (PLC) IC Product and Services

2.2.4 Onsemi Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.2.5 Onsemi Recent Developments/Updates

2.3 Infineon Technologies

2.3.1 Infineon Technologies Details

2.3.2 Infineon Technologies Major Business

2.3.3 Infineon Technologies Power Line Communications (PLC) IC Product and Services

2.3.4 Infineon Technologies Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.3.5 Infineon Technologies Recent Developments/Updates

2.4 Lequerme

2.4.1 Lequerme Details

2.4.2 Lequerme Major Business

2.4.3 Lequerme Power Line Communications (PLC) IC Product and Services

2.4.4 Lequerme Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.4.5 Lequerme Recent Developments/Updates

2.5 Nisshinbo Micro Devices

2.5.1 Nisshinbo Micro Devices Details

2.5.2 Nisshinbo Micro Devices Major Business

2.5.3 Nisshinbo Micro Devices Power Line Communications (PLC) IC Product and Services

2.5.4 Nisshinbo Micro Devices Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.5.5 Nisshinbo Micro Devices Recent Developments/Updates

2.6 Renesas Electronics Corporation

2.6.1 Renesas Electronics Corporation Details

2.6.2 Renesas Electronics Corporation Major Business

2.6.3 Renesas Electronics Corporation Power Line Communications (PLC) IC Product and Services

2.6.4 Renesas Electronics Corporation Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.6.5 Renesas Electronics Corporation Recent Developments/Updates

2.7 Maxim Integrated

2.7.1 Maxim Integrated Details

2.7.2 Maxim Integrated Major Business

2.7.3 Maxim Integrated Power Line Communications (PLC) IC Product and Services

2.7.4 Maxim Integrated Power Line Communications (PLC) IC Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.7.5 Maxim Integrated Recent Developments/Updates

2.8 Intellon (Qualcomm Atheros)

2.8.1 Intellon (Qualcomm Atheros) Details

2.8.2 Intellon (Qualcomm Atheros) Major Business

2.8.3 Intellon (Qualcomm Atheros) Power Line Communications (PLC) IC Product and Services

2.8.4 Intellon (Qualcomm Atheros) Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.8.5 Intellon (Qualcomm Atheros) Recent Developments/Updates

2.9 Microchip

2.9.1 Microchip Details

2.9.2 Microchip Major Business

2.9.3 Microchip Power Line Communications (PLC) IC Product and Services

2.9.4 Microchip Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.9.5 Microchip Recent Developments/Updates

2.10 Shanghai Belling

2.10.1 Shanghai Belling Details

2.10.2 Shanghai Belling Major Business

2.10.3 Shanghai Belling Power Line Communications (PLC) IC Product and Services

2.10.4 Shanghai Belling Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.10.5 Shanghai Belling Recent Developments/Updates

2.11 ADI

2.11.1 ADI Details

2.11.2 ADI Major Business

2.11.3 ADI Power Line Communications (PLC) IC Product and Services

2.11.4 ADI Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.11.5 ADI Recent Developments/Updates

2.12 Hisilicon

2.12.1 Hisilicon Details

2.12.2 Hisilicon Major Business

2.12.3 Hisilicon Power Line Communications (PLC) IC Product and Services

2.12.4 Hisilicon Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.12.5 Hisilicon Recent Developments/Updates

2.13 Beijing Xiaocheng

- 2.13.1 Beijing Xiaocheng Details
- 2.13.2 Beijing Xiaocheng Major Business
- 2.13.3 Beijing Xiaocheng Power Line Communications (PLC) IC Product and Services
- 2.13.4 Beijing Xiaocheng Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.13.5 Beijing Xiaocheng Recent Developments/Updates
- 2.14 Qingdao Topscomm
 - 2.14.1 Qingdao Topscomm Details
 - 2.14.2 Qingdao Topscomm Major Business
 - 2.14.3 Qingdao Topscomm Power Line Communications (PLC) IC Product and Services
 - 2.14.4 Qingdao Topscomm Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.14.5 Qingdao Topscomm Recent Developments/Updates
- 2.15 Beijing Siliconductor
 - 2.15.1 Beijing Siliconductor Details
 - 2.15.2 Beijing Siliconductor Major Business
 - 2.15.3 Beijing Siliconductor Power Line Communications (PLC) IC Product and Services
 - 2.15.4 Beijing Siliconductor Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.15.5 Beijing Siliconductor Recent Developments/Updates
- 2.16 Shanghai Clouder Semiconductor
 - 2.16.1 Shanghai Clouder Semiconductor Details
 - 2.16.2 Shanghai Clouder Semiconductor Major Business
 - 2.16.3 Shanghai Clouder Semiconductor Power Line Communications (PLC) IC Product and Services
 - 2.16.4 Shanghai Clouder Semiconductor Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.16.5 Shanghai Clouder Semiconductor Recent Developments/Updates
- 2.17 Triductor Technology
 - 2.17.1 Triductor Technology Details
 - 2.17.2 Triductor Technology Major Business
 - 2.17.3 Triductor Technology Power Line Communications (PLC) IC Product and Services
 - 2.17.4 Triductor Technology Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.17.5 Triductor Technology Recent Developments/Updates
- 2.18 Eastsoft

- 2.18.1 Eastsoft Details
- 2.18.2 Eastsoft Major Business
- 2.18.3 Eastsoft Power Line Communications (PLC) IC Product and Services
- 2.18.4 Eastsoft Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.18.5 Eastsoft Recent Developments/Updates
- 2.19 Zhuhai Sinowell
 - 2.19.1 Zhuhai Sinowell Details
 - 2.19.2 Zhuhai Sinowell Major Business
 - 2.19.3 Zhuhai Sinowell Power Line Communications (PLC) IC Product and Services
 - 2.19.4 Zhuhai Sinowell Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.19.5 Zhuhai Sinowell Recent Developments/Updates
- 2.20 Aerospace C.Power Science and Technology
 - 2.20.1 Aerospace C.Power Science and Technology Details
 - 2.20.2 Aerospace C.Power Science and Technology Major Business
 - 2.20.3 Aerospace C.Power Science and Technology Power Line Communications (PLC) IC Product and Services
 - 2.20.4 Aerospace C.Power Science and Technology Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.20.5 Aerospace C.Power Science and Technology Recent Developments/Updates
- 2.21 Hangzhou Unicomsemi
 - 2.21.1 Hangzhou Unicomsemi Details
 - 2.21.2 Hangzhou Unicomsemi Major Business
 - 2.21.3 Hangzhou Unicomsemi Power Line Communications (PLC) IC Product and Services
 - 2.21.4 Hangzhou Unicomsemi Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.21.5 Hangzhou Unicomsemi Recent Developments/Updates
- 2.22 SPIDCOM Technologies
 - 2.22.1 SPIDCOM Technologies Details
 - 2.22.2 SPIDCOM Technologies Major Business
 - 2.22.3 SPIDCOM Technologies Power Line Communications (PLC) IC Product and Services
 - 2.22.4 SPIDCOM Technologies Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.22.5 SPIDCOM Technologies Recent Developments/Updates
- 2.23 SiConnect

- 2.23.1 SiConnect Details
- 2.23.2 SiConnect Major Business
- 2.23.3 SiConnect Power Line Communications (PLC) IC Product and Services
- 2.23.4 SiConnect Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.23.5 SiConnect Recent Developments/Updates
- 2.24 Leaguer (Shenzhen) Microelectronics
 - 2.24.1 Leaguer (Shenzhen) Microelectronics Details
 - 2.24.2 Leaguer (Shenzhen) Microelectronics Major Business
 - 2.24.3 Leaguer (Shenzhen) Microelectronics Power Line Communications (PLC) IC Product and Services
 - 2.24.4 Leaguer (Shenzhen) Microelectronics Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.24.5 Leaguer (Shenzhen) Microelectronics Recent Developments/Updates
- 2.25 Risecomm
 - 2.25.1 Risecomm Details
 - 2.25.2 Risecomm Major Business
 - 2.25.3 Risecomm Power Line Communications (PLC) IC Product and Services
 - 2.25.4 Risecomm Power Line Communications (PLC) IC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.25.5 Risecomm Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: POWER LINE COMMUNICATIONS (PLC) IC BY MANUFACTURER

- 3.1 Global Power Line Communications (PLC) IC Sales Quantity by Manufacturer (2020-2025)
- 3.2 Global Power Line Communications (PLC) IC Revenue by Manufacturer (2020-2025)
- 3.3 Global Power Line Communications (PLC) IC Average Price by Manufacturer (2020-2025)
- 3.4 Market Share Analysis (2024)
 - 3.4.1 Producer Shipments of Power Line Communications (PLC) IC by Manufacturer Revenue (\$MM) and Market Share (%): 2024
 - 3.4.2 Top 3 Power Line Communications (PLC) IC Manufacturer Market Share in 2024
 - 3.4.3 Top 6 Power Line Communications (PLC) IC Manufacturer Market Share in 2024
- 3.5 Power Line Communications (PLC) IC Market: Overall Company Footprint Analysis
 - 3.5.1 Power Line Communications (PLC) IC Market: Region Footprint
 - 3.5.2 Power Line Communications (PLC) IC Market: Company Product Type Footprint

3.5.3 Power Line Communications (PLC) IC Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Power Line Communications (PLC) IC Market Size by Region

4.1.1 Global Power Line Communications (PLC) IC Sales Quantity by Region (2020-2031)

4.1.2 Global Power Line Communications (PLC) IC Consumption Value by Region (2020-2031)

4.1.3 Global Power Line Communications (PLC) IC Average Price by Region (2020-2031)

4.2 North America Power Line Communications (PLC) IC Consumption Value (2020-2031)

4.3 Europe Power Line Communications (PLC) IC Consumption Value (2020-2031)

4.4 Asia-Pacific Power Line Communications (PLC) IC Consumption Value (2020-2031)

4.5 South America Power Line Communications (PLC) IC Consumption Value (2020-2031)

4.6 Middle East & Africa Power Line Communications (PLC) IC Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

5.1 Global Power Line Communications (PLC) IC Sales Quantity by Type (2020-2031)

5.2 Global Power Line Communications (PLC) IC Consumption Value by Type (2020-2031)

5.3 Global Power Line Communications (PLC) IC Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Power Line Communications (PLC) IC Sales Quantity by Application (2020-2031)

6.2 Global Power Line Communications (PLC) IC Consumption Value by Application (2020-2031)

6.3 Global Power Line Communications (PLC) IC Average Price by Application (2020-2031)

7 NORTH AMERICA

7.1 North America Power Line Communications (PLC) IC Sales Quantity by Type (2020-2031)

7.2 North America Power Line Communications (PLC) IC Sales Quantity by Application (2020-2031)

7.3 North America Power Line Communications (PLC) IC Market Size by Country

7.3.1 North America Power Line Communications (PLC) IC Sales Quantity by Country (2020-2031)

7.3.2 North America Power Line Communications (PLC) IC Consumption Value by Country (2020-2031)

7.3.3 United States Market Size and Forecast (2020-2031)

7.3.4 Canada Market Size and Forecast (2020-2031)

7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

8.1 Europe Power Line Communications (PLC) IC Sales Quantity by Type (2020-2031)

8.2 Europe Power Line Communications (PLC) IC Sales Quantity by Application (2020-2031)

8.3 Europe Power Line Communications (PLC) IC Market Size by Country

8.3.1 Europe Power Line Communications (PLC) IC Sales Quantity by Country (2020-2031)

8.3.2 Europe Power Line Communications (PLC) IC Consumption Value by Country (2020-2031)

8.3.3 Germany Market Size and Forecast (2020-2031)

8.3.4 France Market Size and Forecast (2020-2031)

8.3.5 United Kingdom Market Size and Forecast (2020-2031)

8.3.6 Russia Market Size and Forecast (2020-2031)

8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

9.1 Asia-Pacific Power Line Communications (PLC) IC Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific Power Line Communications (PLC) IC Sales Quantity by Application (2020-2031)

9.3 Asia-Pacific Power Line Communications (PLC) IC Market Size by Region

9.3.1 Asia-Pacific Power Line Communications (PLC) IC Sales Quantity by Region

(2020-2031)

9.3.2 Asia-Pacific Power Line Communications (PLC) IC Consumption Value by Region (2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

9.3.4 Japan Market Size and Forecast (2020-2031)

9.3.5 South Korea Market Size and Forecast (2020-2031)

9.3.6 India Market Size and Forecast (2020-2031)

9.3.7 Southeast Asia Market Size and Forecast (2020-2031)

9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

10.1 South America Power Line Communications (PLC) IC Sales Quantity by Type (2020-2031)

10.2 South America Power Line Communications (PLC) IC Sales Quantity by Application (2020-2031)

10.3 South America Power Line Communications (PLC) IC Market Size by Country

10.3.1 South America Power Line Communications (PLC) IC Sales Quantity by Country (2020-2031)

10.3.2 South America Power Line Communications (PLC) IC Consumption Value by Country (2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Power Line Communications (PLC) IC Sales Quantity by Type (2020-2031)

11.2 Middle East & Africa Power Line Communications (PLC) IC Sales Quantity by Application (2020-2031)

11.3 Middle East & Africa Power Line Communications (PLC) IC Market Size by Country

11.3.1 Middle East & Africa Power Line Communications (PLC) IC Sales Quantity by Country (2020-2031)

11.3.2 Middle East & Africa Power Line Communications (PLC) IC Consumption Value by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

12.1 Power Line Communications (PLC) IC Market Drivers

12.2 Power Line Communications (PLC) IC Market Restraints

12.3 Power Line Communications (PLC) IC Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Power Line Communications (PLC) IC and Key Manufacturers

13.2 Manufacturing Costs Percentage of Power Line Communications (PLC) IC

13.3 Power Line Communications (PLC) IC Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Power Line Communications (PLC) IC Typical Distributors

14.3 Power Line Communications (PLC) IC Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Power Line Communications (PLC) IC Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Power Line Communications (PLC) IC Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. STMicroelectronics Basic Information, Manufacturing Base and Competitors

Table 4. STMicroelectronics Major Business

Table 5. STMicroelectronics Power Line Communications (PLC) IC Product and Services

Table 6. STMicroelectronics Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. STMicroelectronics Recent Developments/Updates

Table 8. Onsemi Basic Information, Manufacturing Base and Competitors

Table 9. Onsemi Major Business

Table 10. Onsemi Power Line Communications (PLC) IC Product and Services

Table 11. Onsemi Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. Onsemi Recent Developments/Updates

Table 13. Infineon Technologies Basic Information, Manufacturing Base and Competitors

Table 14. Infineon Technologies Major Business

Table 15. Infineon Technologies Power Line Communications (PLC) IC Product and Services

Table 16. Infineon Technologies Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Infineon Technologies Recent Developments/Updates

Table 18. Leaguerme Basic Information, Manufacturing Base and Competitors

Table 19. Leaguerme Major Business

Table 20. Leaguerme Power Line Communications (PLC) IC Product and Services

Table 21. Leaguerme Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. Leaguerme Recent Developments/Updates

Table 23. Nisshinbo Micro Devices Basic Information, Manufacturing Base and Competitors

Table 24. Nisshinbo Micro Devices Major Business

Table 25. Nisshinbo Micro Devices Power Line Communications (PLC) IC Product and Services

Table 26. Nisshinbo Micro Devices Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Nisshinbo Micro Devices Recent Developments/Updates

Table 28. Renesas Electronics Corporation Basic Information, Manufacturing Base and Competitors

Table 29. Renesas Electronics Corporation Major Business

Table 30. Renesas Electronics Corporation Power Line Communications (PLC) IC Product and Services

Table 31. Renesas Electronics Corporation Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Renesas Electronics Corporation Recent Developments/Updates

Table 33. Maxim Integrated Basic Information, Manufacturing Base and Competitors

Table 34. Maxim Integrated Major Business

Table 35. Maxim Integrated Power Line Communications (PLC) IC Product and Services

Table 36. Maxim Integrated Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Maxim Integrated Recent Developments/Updates

Table 38. Intellon (Qualcomm Atheros) Basic Information, Manufacturing Base and Competitors

Table 39. Intellon (Qualcomm Atheros) Major Business

Table 40. Intellon (Qualcomm Atheros) Power Line Communications (PLC) IC Product and Services

Table 41. Intellon (Qualcomm Atheros) Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. Intellon (Qualcomm Atheros) Recent Developments/Updates

Table 43. Microchip Basic Information, Manufacturing Base and Competitors

Table 44. Microchip Major Business

Table 45. Microchip Power Line Communications (PLC) IC Product and Services

Table 46. Microchip Power Line Communications (PLC) IC Sales Quantity (K Units),

Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. Microchip Recent Developments/Updates

Table 48. Shanghai Belling Basic Information, Manufacturing Base and Competitors

Table 49. Shanghai Belling Major Business

Table 50. Shanghai Belling Power Line Communications (PLC) IC Product and Services

Table 51. Shanghai Belling Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. Shanghai Belling Recent Developments/Updates

Table 53. ADI Basic Information, Manufacturing Base and Competitors

Table 54. ADI Major Business

Table 55. ADI Power Line Communications (PLC) IC Product and Services

Table 56. ADI Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. ADI Recent Developments/Updates

Table 58. Hisilicon Basic Information, Manufacturing Base and Competitors

Table 59. Hisilicon Major Business

Table 60. Hisilicon Power Line Communications (PLC) IC Product and Services

Table 61. Hisilicon Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. Hisilicon Recent Developments/Updates

Table 63. Beijing Xiaocheng Basic Information, Manufacturing Base and Competitors

Table 64. Beijing Xiaocheng Major Business

Table 65. Beijing Xiaocheng Power Line Communications (PLC) IC Product and Services

Table 66. Beijing Xiaocheng Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. Beijing Xiaocheng Recent Developments/Updates

Table 68. Qingdao Topscomm Basic Information, Manufacturing Base and Competitors

Table 69. Qingdao Topscomm Major Business

Table 70. Qingdao Topscomm Power Line Communications (PLC) IC Product and Services

Table 71. Qingdao Topscomm Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 72. Qingdao Topscomm Recent Developments/Updates

Table 73. Beijing Siliconductor Basic Information, Manufacturing Base and Competitors

Table 74. Beijing Siliconductor Major Business

Table 75. Beijing Siliconductor Power Line Communications (PLC) IC Product and Services

Table 76. Beijing Siliconductor Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 77. Beijing Siliconductor Recent Developments/Updates

Table 78. Shanghai Clouder Semiconductor Basic Information, Manufacturing Base and Competitors

Table 79. Shanghai Clouder Semiconductor Major Business

Table 80. Shanghai Clouder Semiconductor Power Line Communications (PLC) IC Product and Services

Table 81. Shanghai Clouder Semiconductor Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 82. Shanghai Clouder Semiconductor Recent Developments/Updates

Table 83. Triductor Technology Basic Information, Manufacturing Base and Competitors

Table 84. Triductor Technology Major Business

Table 85. Triductor Technology Power Line Communications (PLC) IC Product and Services

Table 86. Triductor Technology Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 87. Triductor Technology Recent Developments/Updates

Table 88. Eastsoft Basic Information, Manufacturing Base and Competitors

Table 89. Eastsoft Major Business

Table 90. Eastsoft Power Line Communications (PLC) IC Product and Services

Table 91. Eastsoft Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 92. Eastsoft Recent Developments/Updates

Table 93. Zhuhai Sinowell Basic Information, Manufacturing Base and Competitors

Table 94. Zhuhai Sinowell Major Business

Table 95. Zhuhai Sinowell Power Line Communications (PLC) IC Product and Services

Table 96. Zhuhai Sinowell Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 97. Zhuhai Sinowell Recent Developments/Updates

Table 98. Aerospace C.Power Science and Technology Basic Information, Manufacturing Base and Competitors
Table 99. Aerospace C.Power Science and Technology Major Business
Table 100. Aerospace C.Power Science and Technology Power Line Communications (PLC) IC Product and Services
Table 101. Aerospace C.Power Science and Technology Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 102. Aerospace C.Power Science and Technology Recent Developments/Updates
Table 103. Hangzhou Unicomsemi Basic Information, Manufacturing Base and Competitors
Table 104. Hangzhou Unicomsemi Major Business
Table 105. Hangzhou Unicomsemi Power Line Communications (PLC) IC Product and Services
Table 106. Hangzhou Unicomsemi Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 107. Hangzhou Unicomsemi Recent Developments/Updates
Table 108. SPIDCOM Technologies Basic Information, Manufacturing Base and Competitors
Table 109. SPIDCOM Technologies Major Business
Table 110. SPIDCOM Technologies Power Line Communications (PLC) IC Product and Services
Table 111. SPIDCOM Technologies Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 112. SPIDCOM Technologies Recent Developments/Updates
Table 113. SiConnect Basic Information, Manufacturing Base and Competitors
Table 114. SiConnect Major Business
Table 115. SiConnect Power Line Communications (PLC) IC Product and Services
Table 116. SiConnect Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 117. SiConnect Recent Developments/Updates
Table 118. Leaguer (Shenzhen) Microelectronics Basic Information, Manufacturing Base and Competitors
Table 119. Leaguer (Shenzhen) Microelectronics Major Business
Table 120. Leaguer (Shenzhen) Microelectronics Power Line Communications (PLC) IC

Product and Services

Table 121. Leaguer (Shenzhen) Microelectronics Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 122. Leaguer (Shenzhen) Microelectronics Recent Developments/Updates

Table 123. Risecomm Basic Information, Manufacturing Base and Competitors

Table 124. Risecomm Major Business

Table 125. Risecomm Power Line Communications (PLC) IC Product and Services

Table 126. Risecomm Power Line Communications (PLC) IC Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 127. Risecomm Recent Developments/Updates

Table 128. Global Power Line Communications (PLC) IC Sales Quantity by Manufacturer (2020-2025) & (K Units)

Table 129. Global Power Line Communications (PLC) IC Revenue by Manufacturer (2020-2025) & (USD Million)

Table 130. Global Power Line Communications (PLC) IC Average Price by Manufacturer (2020-2025) & (US\$/Unit)

Table 131. Market Position of Manufacturers in Power Line Communications (PLC) IC, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 132. Head Office and Power Line Communications (PLC) IC Production Site of Key Manufacturer

Table 133. Power Line Communications (PLC) IC Market: Company Product Type Footprint

Table 134. Power Line Communications (PLC) IC Market: Company Product Application Footprint

Table 135. Power Line Communications (PLC) IC New Market Entrants and Barriers to Market Entry

Table 136. Power Line Communications (PLC) IC Mergers, Acquisition, Agreements, and Collaborations

Table 137. Global Power Line Communications (PLC) IC Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 138. Global Power Line Communications (PLC) IC Sales Quantity by Region (2020-2025) & (K Units)

Table 139. Global Power Line Communications (PLC) IC Sales Quantity by Region (2026-2031) & (K Units)

Table 140. Global Power Line Communications (PLC) IC Consumption Value by Region (2020-2025) & (USD Million)

Table 141. Global Power Line Communications (PLC) IC Consumption Value by Region

(2026-2031) & (USD Million)

Table 142. Global Power Line Communications (PLC) IC Average Price by Region (2020-2025) & (US\$/Unit)

Table 143. Global Power Line Communications (PLC) IC Average Price by Region (2026-2031) & (US\$/Unit)

Table 144. Global Power Line Communications (PLC) IC Sales Quantity by Type (2020-2025) & (K Units)

Table 145. Global Power Line Communications (PLC) IC Sales Quantity by Type (2026-2031) & (K Units)

Table 146. Global Power Line Communications (PLC) IC Consumption Value by Type (2020-2025) & (USD Million)

Table 147. Global Power Line Communications (PLC) IC Consumption Value by Type (2026-2031) & (USD Million)

Table 148. Global Power Line Communications (PLC) IC Average Price by Type (2020-2025) & (US\$/Unit)

Table 149. Global Power Line Communications (PLC) IC Average Price by Type (2026-2031) & (US\$/Unit)

Table 150. Global Power Line Communications (PLC) IC Sales Quantity by Application (2020-2025) & (K Units)

Table 151. Global Power Line Communications (PLC) IC Sales Quantity by Application (2026-2031) & (K Units)

Table 152. Global Power Line Communications (PLC) IC Consumption Value by Application (2020-2025) & (USD Million)

Table 153. Global Power Line Communications (PLC) IC Consumption Value by Application (2026-2031) & (USD Million)

Table 154. Global Power Line Communications (PLC) IC Average Price by Application (2020-2025) & (US\$/Unit)

Table 155. Global Power Line Communications (PLC) IC Average Price by Application (2026-2031) & (US\$/Unit)

Table 156. North America Power Line Communications (PLC) IC Sales Quantity by Type (2020-2025) & (K Units)

Table 157. North America Power Line Communications (PLC) IC Sales Quantity by Type (2026-2031) & (K Units)

Table 158. North America Power Line Communications (PLC) IC Sales Quantity by Application (2020-2025) & (K Units)

Table 159. North America Power Line Communications (PLC) IC Sales Quantity by Application (2026-2031) & (K Units)

Table 160. North America Power Line Communications (PLC) IC Sales Quantity by Country (2020-2025) & (K Units)

Table 161. North America Power Line Communications (PLC) IC Sales Quantity by Country (2026-2031) & (K Units)

Table 162. North America Power Line Communications (PLC) IC Consumption Value by Country (2020-2025) & (USD Million)

Table 163. North America Power Line Communications (PLC) IC Consumption Value by Country (2026-2031) & (USD Million)

Table 164. Europe Power Line Communications (PLC) IC Sales Quantity by Type (2020-2025) & (K Units)

Table 165. Europe Power Line Communications (PLC) IC Sales Quantity by Type (2026-2031) & (K Units)

Table 166. Europe Power Line Communications (PLC) IC Sales Quantity by Application (2020-2025) & (K Units)

Table 167. Europe Power Line Communications (PLC) IC Sales Quantity by Application (2026-2031) & (K Units)

Table 168. Europe Power Line Communications (PLC) IC Sales Quantity by Country (2020-2025) & (K Units)

Table 169. Europe Power Line Communications (PLC) IC Sales Quantity by Country (2026-2031) & (K Units)

Table 170. Europe Power Line Communications (PLC) IC Consumption Value by Country (2020-2025) & (USD Million)

Table 171. Europe Power Line Communications (PLC) IC Consumption Value by Country (2026-2031) & (USD Million)

Table 172. Asia-Pacific Power Line Communications (PLC) IC Sales Quantity by Type (2020-2025) & (K Units)

Table 173. Asia-Pacific Power Line Communications (PLC) IC Sales Quantity by Type (2026-2031) & (K Units)

Table 174. Asia-Pacific Power Line Communications (PLC) IC Sales Quantity by Application (2020-2025) & (K Units)

Table 175. Asia-Pacific Power Line Communications (PLC) IC Sales Quantity by Application (2026-2031) & (K Units)

Table 176. Asia-Pacific Power Line Communications (PLC) IC Sales Quantity by Region (2020-2025) & (K Units)

Table 177. Asia-Pacific Power Line Communications (PLC) IC Sales Quantity by Region (2026-2031) & (K Units)

Table 178. Asia-Pacific Power Line Communications (PLC) IC Consumption Value by Region (2020-2025) & (USD Million)

Table 179. Asia-Pacific Power Line Communications (PLC) IC Consumption Value by Region (2026-2031) & (USD Million)

Table 180. South America Power Line Communications (PLC) IC Sales Quantity by

Type (2020-2025) & (K Units)

Table 181. South America Power Line Communications (PLC) IC Sales Quantity by Type (2026-2031) & (K Units)

Table 182. South America Power Line Communications (PLC) IC Sales Quantity by Application (2020-2025) & (K Units)

Table 183. South America Power Line Communications (PLC) IC Sales Quantity by Application (2026-2031) & (K Units)

Table 184. South America Power Line Communications (PLC) IC Sales Quantity by Country (2020-2025) & (K Units)

Table 185. South America Power Line Communications (PLC) IC Sales Quantity by Country (2026-2031) & (K Units)

Table 186. South America Power Line Communications (PLC) IC Consumption Value by Country (2020-2025) & (USD Million)

Table 187. South America Power Line Communications (PLC) IC Consumption Value by Country (2026-2031) & (USD Million)

Table 188. Middle East & Africa Power Line Communications (PLC) IC Sales Quantity by Type (2020-2025) & (K Units)

Table 189. Middle East & Africa Power Line Communications (PLC) IC Sales Quantity by Type (2026-2031) & (K Units)

Table 190. Middle East & Africa Power Line Communications (PLC) IC Sales Quantity by Application (2020-2025) & (K Units)

Table 191. Middle East & Africa Power Line Communications (PLC) IC Sales Quantity by Application (2026-2031) & (K Units)

Table 192. Middle East & Africa Power Line Communications (PLC) IC Sales Quantity by Country (2020-2025) & (K Units)

Table 193. Middle East & Africa Power Line Communications (PLC) IC Sales Quantity by Country (2026-2031) & (K Units)

Table 194. Middle East & Africa Power Line Communications (PLC) IC Consumption Value by Country (2020-2025) & (USD Million)

Table 195. Middle East & Africa Power Line Communications (PLC) IC Consumption Value by Country (2026-2031) & (USD Million)

Table 196. Power Line Communications (PLC) IC Raw Material

Table 197. Key Manufacturers of Power Line Communications (PLC) IC Raw Materials

Table 198. Power Line Communications (PLC) IC Typical Distributors

Table 199. Power Line Communications (PLC) IC Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Power Line Communications (PLC) IC Picture
- Figure 2. Global Power Line Communications (PLC) IC Revenue by Type, (USD Million), 2020 & 2024 & 2031
- Figure 3. Global Power Line Communications (PLC) IC Revenue Market Share by Type in 2024
- Figure 4. Broadband PLC ICs Examples
- Figure 5. Narrowband PLC ICs Examples
- Figure 6. Mid-band PLC ICs Examples
- Figure 7. Global Power Line Communications (PLC) IC Consumption Value by Application, (USD Million), 2020 & 2024 & 2031
- Figure 8. Global Power Line Communications (PLC) IC Revenue Market Share by Application in 2024
- Figure 9. Distribution Network Automation Examples
- Figure 10. Smart Meter/Meter Reading Examples
- Figure 11. Smart Street Light Examples
- Figure 12. Smart Home Examples
- Figure 13. Others Examples
- Figure 14. Global Power Line Communications (PLC) IC Consumption Value, (USD Million): 2020 & 2024 & 2031
- Figure 15. Global Power Line Communications (PLC) IC Consumption Value and Forecast (2020-2031) & (USD Million)
- Figure 16. Global Power Line Communications (PLC) IC Sales Quantity (2020-2031) & (K Units)
- Figure 17. Global Power Line Communications (PLC) IC Price (2020-2031) & (US\$/Unit)
- Figure 18. Global Power Line Communications (PLC) IC Sales Quantity Market Share by Manufacturer in 2024
- Figure 19. Global Power Line Communications (PLC) IC Revenue Market Share by Manufacturer in 2024
- Figure 20. Producer Shipments of Power Line Communications (PLC) IC by Manufacturer Sales (\$MM) and Market Share (%): 2024
- Figure 21. Top 3 Power Line Communications (PLC) IC Manufacturer (Revenue) Market Share in 2024
- Figure 22. Top 6 Power Line Communications (PLC) IC Manufacturer (Revenue) Market Share in 2024

Figure 23. Global Power Line Communications (PLC) IC Sales Quantity Market Share by Region (2020-2031)

Figure 24. Global Power Line Communications (PLC) IC Consumption Value Market Share by Region (2020-2031)

Figure 25. North America Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 26. Europe Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 27. Asia-Pacific Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 28. South America Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 29. Middle East & Africa Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 30. Global Power Line Communications (PLC) IC Sales Quantity Market Share by Type (2020-2031)

Figure 31. Global Power Line Communications (PLC) IC Consumption Value Market Share by Type (2020-2031)

Figure 32. Global Power Line Communications (PLC) IC Average Price by Type (2020-2031) & (US\$/Unit)

Figure 33. Global Power Line Communications (PLC) IC Sales Quantity Market Share by Application (2020-2031)

Figure 34. Global Power Line Communications (PLC) IC Revenue Market Share by Application (2020-2031)

Figure 35. Global Power Line Communications (PLC) IC Average Price by Application (2020-2031) & (US\$/Unit)

Figure 36. North America Power Line Communications (PLC) IC Sales Quantity Market Share by Type (2020-2031)

Figure 37. North America Power Line Communications (PLC) IC Sales Quantity Market Share by Application (2020-2031)

Figure 38. North America Power Line Communications (PLC) IC Sales Quantity Market Share by Country (2020-2031)

Figure 39. North America Power Line Communications (PLC) IC Consumption Value Market Share by Country (2020-2031)

Figure 40. United States Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 41. Canada Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 42. Mexico Power Line Communications (PLC) IC Consumption Value

(2020-2031) & (USD Million)

Figure 43. Europe Power Line Communications (PLC) IC Sales Quantity Market Share by Type (2020-2031)

Figure 44. Europe Power Line Communications (PLC) IC Sales Quantity Market Share by Application (2020-2031)

Figure 45. Europe Power Line Communications (PLC) IC Sales Quantity Market Share by Country (2020-2031)

Figure 46. Europe Power Line Communications (PLC) IC Consumption Value Market Share by Country (2020-2031)

Figure 47. Germany Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 48. France Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 49. United Kingdom Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 50. Russia Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 51. Italy Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 52. Asia-Pacific Power Line Communications (PLC) IC Sales Quantity Market Share by Type (2020-2031)

Figure 53. Asia-Pacific Power Line Communications (PLC) IC Sales Quantity Market Share by Application (2020-2031)

Figure 54. Asia-Pacific Power Line Communications (PLC) IC Sales Quantity Market Share by Region (2020-2031)

Figure 55. Asia-Pacific Power Line Communications (PLC) IC Consumption Value Market Share by Region (2020-2031)

Figure 56. China Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 57. Japan Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 58. South Korea Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 59. India Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 60. Southeast Asia Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 61. Australia Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 62. South America Power Line Communications (PLC) IC Sales Quantity Market Share by Type (2020-2031)

Figure 63. South America Power Line Communications (PLC) IC Sales Quantity Market Share by Application (2020-2031)

Figure 64. South America Power Line Communications (PLC) IC Sales Quantity Market Share by Country (2020-2031)

Figure 65. South America Power Line Communications (PLC) IC Consumption Value Market Share by Country (2020-2031)

Figure 66. Brazil Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 67. Argentina Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 68. Middle East & Africa Power Line Communications (PLC) IC Sales Quantity Market Share by Type (2020-2031)

Figure 69. Middle East & Africa Power Line Communications (PLC) IC Sales Quantity Market Share by Application (2020-2031)

Figure 70. Middle East & Africa Power Line Communications (PLC) IC Sales Quantity Market Share by Country (2020-2031)

Figure 71. Middle East & Africa Power Line Communications (PLC) IC Consumption Value Market Share by Country (2020-2031)

Figure 72. Turkey Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 73. Egypt Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 74. Saudi Arabia Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 75. South Africa Power Line Communications (PLC) IC Consumption Value (2020-2031) & (USD Million)

Figure 76. Power Line Communications (PLC) IC Market Drivers

Figure 77. Power Line Communications (PLC) IC Market Restraints

Figure 78. Power Line Communications (PLC) IC Market Trends

Figure 79. Porters Five Forces Analysis

Figure 80. Manufacturing Cost Structure Analysis of Power Line Communications (PLC) IC in 2024

Figure 81. Manufacturing Process Analysis of Power Line Communications (PLC) IC

Figure 82. Power Line Communications (PLC) IC Industrial Chain

Figure 83. Sales Channel: Direct to End-User vs Distributors

Figure 84. Direct Channel Pros & Cons

Figure 85. Indirect Channel Pros & Cons

Figure 86. Methodology

Figure 87. Research Process and Data Source

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