

Global Metamaterials for Communication Antennas 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 Metamaterials for Communication Antennas market size was valued at US\$ 221 million in 2024 and is forecast to a readjusted size of USD 259 million by 2031 with a CAGR of 2.3% during review period.

The Global Mobile Economy Development Report 2023 released by GSMA Intelligence pointed out that by the end of 2022, the number of global mobile users would exceed 5.4 billion. The mobile ecosystem supports 16 million jobs directly and 12 million jobs indirectly.

According to our Communications Research Centre, in 2022, the global communication equipment was valued at US\$ 100 billion. The U.S. and China are powerhouses in the manufacture of communications equipment. According to data from the Ministry of Industry and Information Technology of China, the cumulative revenue of telecommunications services in 2022 was ?1.58 trillion, an increase of 8% over the previous year. The total amount of telecommunications business calculated at the price of the previous year reached ?1.75 trillion, a year-on-year increase of 21.3%. In the same year, the fixed Internet broadband access business revenue was ?240.2 billion, an increase of 7.1% over the previous year, and its proportion in the telecommunications business revenue decreased from 15.3% in the previous year to 15.2%, driving the telecommunications business revenue to increase by 1.1 percentage points.

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

Global Metamaterials for Communication Antennas 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 Metamaterials for Communication Antennas 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 Metamaterials for Communication Antennas 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 Metamaterials for Communication Antennas
To forecast future growth in each product and end-use market
To forecast future factors affecting the marketplace

This report profiles key players in the global Metamaterials for Communication Antennas 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 Fractal Antenna Systems, Kymeta Corp, Pivotal Commware, Echodyne, Radi-Cool, Phononic Vibes, Multiwave Imaging, Kuangchi Science, Xi'an Tianhe, MetaShield LLC., etc.

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

Market Segmentation

Metamaterials for Communication Antennas 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

Negative Index Metamaterial (NIM)

Single Negative (SNG) Metamaterials

Hyperbolic Metamaterials (HMM)

Market segment by Application

PCB Trace Antenna

Patch Antenna

Chip Antenna

Flexible Printed Circuit Antenna

Major players covered

Fractal Antenna Systems

Kymeta Corp

Pivotal Commware

Echodyne

Radi-Cool

Phononic Vibes

Multiwave Imaging

Kuangchi Science

Xi'an Tianhe

MetaShield LLC.

Metaboards Limited

Sonobex

Evolv Technology

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 Metamaterials for Communication Antennas product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Metamaterials for Communication Antennas, with price, sales quantity, revenue, and global market share of Metamaterials for Communication Antennas from 2020 to 2025.

Chapter 3, the Metamaterials for Communication Antennas competitive situation, sales

quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Metamaterials for Communication Antennas 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 Metamaterials for Communication Antennas 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 Metamaterials for Communication Antennas.

Chapter 14 and 15, to describe Metamaterials for Communication Antennas sales channel, distributors, customers, research findings and conclusion.

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