

Global 5G CU (Centralized Unit) and DU (Distributed Unit) 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 5G CU (Centralized Unit) and DU (Distributed Unit) market size was valued at US\$ 1913 million in 2024 and is forecast to a readjusted size of USD 1777 million by 2031 with a CAGR of -2.4% during review period.

A radio access network (RAN) connects 5G-enabled devices to the 5G core network. It is a major part of the 5G network. The 5G RAN consists of base stations (gNodeB), remote radio units (RRU), and antenna systems. It handles the radio communications between the user equipment (UE), such as a cellphone, computer, or any remotely controlled machine to the 5G core network (5GC).

In 5G, the gNodeB can be split into a Centralized Unit (CU) and Distributed Unit (DU), allowing distributed architecture. RRUs can be connected to a front haul gateway to combine multiple units with a DU, multiple DUs can be connected to a CU, and finally, CU connects to the core network.

This report is a detailed and comprehensive analysis for global 5G CU (Centralized Unit) and DU (Distributed Unit) 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 5G CU (Centralized Unit) and DU (Distributed Unit) market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global 5G CU (Centralized Unit) and DU (Distributed Unit) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global 5G CU (Centralized Unit) and DU (Distributed Unit) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global 5G CU (Centralized Unit) and DU (Distributed Unit) market shares of main players, shipments in revenue (\$ Million), sales quantity (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 5G CU (Centralized Unit) and DU (Distributed Unit)

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 5G CU (Centralized Unit) and DU (Distributed Unit) 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 Huawei, Ericsson, Samsung, Nokia, Comba Communication, Nybsys, Silicom Ltd., Airspan Networks, Arraycomm, VVDN Technologies, etc.

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

Market Segmentation

5G CU (Centralized Unit) and DU (Distributed Unit) 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

CU (Centralized Unit)

DU (Distributed Unit)

Market segment by Application

Residential and SOHO

Urban

Enterprises

Rural and Remote Areas

Others

Major players covered

Huawei

Ericsson

Samsung

Nokia

Comba Communication

Nybsys

Silicom Ltd.

Airspan Networks

Arraycomm

VVDN Technologies

Faststream

Shenzhen Gongjin Electronics Co

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 5G CU (Centralized Unit) and DU (Distributed Unit) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of 5G CU (Centralized Unit) and DU (Distributed Unit), with price, sales quantity, revenue, and global market share of 5G CU (Centralized Unit) and DU (Distributed Unit) from 2020 to 2025.

Chapter 3, the 5G CU (Centralized Unit) and DU (Distributed Unit) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the 5G CU (Centralized Unit) and DU (Distributed Unit) 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 5G CU (Centralized Unit) and DU (Distributed Unit) 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 5G CU (Centralized Unit) and DU (Distributed Unit).

Chapter 14 and 15, to describe 5G CU (Centralized Unit) and DU (Distributed Unit) sales channel, distributors, customers, research findings and conclusion.

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