

Global Automotive-Grade UWB Chips 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 Automotive-Grade UWB Chips market size was valued at US\$ 15.9 million in 2024 and is forecast to a readjusted size of USD 134 million by 2031 with a CAGR of 25.1% during review period.

Automotive-grade UWB chip is an ultra-wideband (UWB) chip designed specifically for the automotive industry. It complies with automotive standards (such as AEC-Q100) and is mainly used for digital keys, in-vehicle sensing, security authentication, etc. UWB technology has the characteristics of centimeter-level precision positioning, strong anti-interference, and high security, making it one of the important technologies for smart cars.

This report is a detailed and comprehensive analysis for global Automotive-Grade UWB Chips 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 Automotive-Grade UWB Chips market size and forecasts, in consumption value (\$ Million), sales quantity (Million Pcs), and average selling prices (US\$/Pcs), 2020-2031

Global Automotive-Grade UWB Chips market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Pcs), and average selling prices (US\$/Pcs), 2020-2031

Global Automotive-Grade UWB Chips market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Million Pcs), and average selling prices (US\$/Pcs), 2020-2031

Global Automotive-Grade UWB Chips market shares of main players, shipments in revenue (\$ Million), sales quantity (Million Pcs), and ASP (US\$/Pcs), 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 Automotive-Grade UWB Chips

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 Automotive-Grade UWB Chips 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 NXP, Qorvo, Qualcomm, Ultraception Technology, Changsha Chixin Technology, Yudu Communication Technology, NewRadio Technology, etc.

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

Market Segmentation

Automotive-Grade UWB Chips 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

1T3R Transceiver Architecture

1T4R Transceiver Architecture

Market segment by Application

Internal Combustion Engines

New Energy Vehicles

Major players covered

NXP

Qorvo

Qualcomm

Ultraception Technology

Changsha Chixin Technology

Yudu Communication Technology

NewRadio 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 Automotive-Grade UWB Chips product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive-Grade UWB Chips, with price, sales quantity, revenue, and global market share of Automotive-Grade UWB Chips from 2020 to 2025.

Chapter 3, the Automotive-Grade UWB Chips competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive-Grade UWB Chips 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 Automotive-Grade UWB Chips 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 Automotive-Grade UWB Chips.

Chapter 14 and 15, to describe Automotive-Grade UWB Chips sales channel, distributors, customers, research findings and conclusion.

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