

Global Wireless Communication SoC Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Wireless Communication SoC market size is expected to reach \$ 113924 million by 2032, rising at a market growth of 7.7% CAGR during the forecast period (2026-2032).

A wireless communication SoC is an integrated circuit product that incorporates a processor or control core, wireless communication baseband and protocol processing units, and memory and peripheral interfaces onto a single chip or within a highly integrated system-on-chip platform. Depending on the product architecture, it may also selectively integrate components such as RF transceivers, audio processors, digital signal processors (DSPs), AI accelerators, programmable logic, or high-speed data converters. Capable of operating independently or with minimal peripheral components, it performs functions including wireless signal processing, communication protocol execution, data transmission, and terminal control.

In 2025, the average price range for global wireless communication SoCs is between \$10.7/Unit and \$12.9/Unit. While the average prices for consumer-grade Wi-Fi, Bluetooth, and wireless audio SoCs are generally lower, 5G smartphone SoCs, automotive-grade chips, specialized communication SoCs, and RFSOCs command higher average prices.

Report Scope

This report studies the global Wireless Communication SoC production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Wireless

Communication SoC and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Wireless Communication SoC that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Wireless Communication SoC total production and demand, 2021-2032, (Million Units)

Global Wireless Communication SoC total production value, 2021-2032, (USD Million)

Global Wireless Communication SoC production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)

Global Wireless Communication SoC consumption by region & country, CAGR, 2021-2032 & (Million Units)

U.S. VS China: Wireless Communication SoC domestic production, consumption, key domestic manufacturers and share

Global Wireless Communication SoC production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)

Global Wireless Communication SoC production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

Global Wireless Communication SoC production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global Wireless Communication SoC market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Qualcomm, AMD, Infineon Technologies, Texas Instruments, MediaTek, Auctus Technologies Co., Ltd, Morningcore Holding Co., Ltd, ASR Microelectronics Co., Ltd, Shanghai Fudan Microelectronics Group Co., Ltd, Shanghai Anlogic Infotech Co., Ltd, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Wireless Communication SoC market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million Units) and average price (USD/K Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Wireless Communication SoC Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Wireless Communication SoC Market, Segmentation by Type:

Long-range Wireless Communication SoC

Short-range Wireless Communication SoC

Specialized and Programmable Wireless Communication SoC

Global Wireless Communication SoC Market, Segmentation by Wireless Network Architecture:

Cellular Communication SoC

Wireless Connectivity & IoT SoC

Wireless Audio SoC

UWB Communication & Ranging SoC

Specialized Wireless Communication SoC

Satellite & NTN Communication SoC

Programmable Wireless Communication SoC / RFSoc

Global Wireless Communication SoC Market, Segmentation by Application:

Smartphones and Mobile Smart Devices

Consumer Electronics and Wireless Audio

Smart Home and Consumer IoT

Industrial and Utility IoT

Automotive and Transportation

Telecommunications Infrastructure

Low-Altitude, Satellite, and Specialized Communications

Others

Companies Profiled:

Qualcomm

AMD

Infineon Technologies

Texas Instruments

MediaTek

Auctus Technologies Co., Ltd

Morningcore Holding Co., Ltd

ASR Microelectronics Co., Ltd

Shanghai Fudan Microelectronics Group Co., Ltd

Shanghai Anlogic Infotech Co., Ltd

Chengdu Sino-Microelectronics Tech. Co., Ltd

Zhuhai Aerospace Microchips Science & Technology Co., Ltd

Artosyn

Bestechnic

Espressif Systems

Shenzhen GiantSemi

Freqchip Microelectronics Co.,Ltd

OsemiTech

UNISOC

HiSilicon

Eigencomm

Innobase

Beken Corporation

Telink Semiconductor

JieLi Technology

Actions Technology

Bluetrum Technology

Sequans Communications

Realtek Semiconductor

Silicon Labs

Renesas Electronics

Microchip Technology

Key Questions Answered:

1. How big is the global Wireless Communication SoC market?
2. What is the demand of the global Wireless Communication SoC market?
3. What is the year over year growth of the global Wireless Communication SoC market?
4. What is the production and production value of the global Wireless Communication SoC market?
5. Who are the key producers in the global Wireless Communication SoC market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Wireless Communication SoC Introduction
- 1.2 World Wireless Communication SoC Supply & Forecast
 - 1.2.1 World Wireless Communication SoC Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Wireless Communication SoC Production (2021-2032)
 - 1.2.3 World Wireless Communication SoC Pricing Trends (2021-2032)
- 1.3 World Wireless Communication SoC Production by Region (Based on Production Site)
 - 1.3.1 World Wireless Communication SoC Production Value by Region (2021-2032)
 - 1.3.2 World Wireless Communication SoC Production by Region (2021-2032)
 - 1.3.3 World Wireless Communication SoC Average Price by Region (2021-2032)
 - 1.3.4 North America Wireless Communication SoC Production (2021-2032)
 - 1.3.5 Europe Wireless Communication SoC Production (2021-2032)
 - 1.3.6 China Wireless Communication SoC Production (2021-2032)
 - 1.3.7 Japan Wireless Communication SoC Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Wireless Communication SoC Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Wireless Communication SoC Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Wireless Communication SoC Demand (2021-2032)
- 2.2 World Wireless Communication SoC Consumption by Region
 - 2.2.1 World Wireless Communication SoC Consumption by Region (2021-2026)
 - 2.2.2 World Wireless Communication SoC Consumption Forecast by Region (2027-2032)
- 2.3 United States Wireless Communication SoC Consumption (2021-2032)
- 2.4 China Wireless Communication SoC Consumption (2021-2032)
- 2.5 Europe Wireless Communication SoC Consumption (2021-2032)
- 2.6 Japan Wireless Communication SoC Consumption (2021-2032)
- 2.7 South Korea Wireless Communication SoC Consumption (2021-2032)
- 2.8 ASEAN Wireless Communication SoC Consumption (2021-2032)
- 2.9 India Wireless Communication SoC Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Wireless Communication SoC Production Value by Manufacturer (2021-2026)
- 3.2 World Wireless Communication SoC Production by Manufacturer (2021-2026)
- 3.3 World Wireless Communication SoC Average Price by Manufacturer (2021-2026)
- 3.4 Wireless Communication SoC Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Wireless Communication SoC Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Wireless Communication SoC in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Wireless Communication SoC in 2025
- 3.6 Wireless Communication SoC Market: Overall Company Footprint Analysis
 - 3.6.1 Wireless Communication SoC Market: Region Footprint
 - 3.6.2 Wireless Communication SoC Market: Company Product Type Footprint
 - 3.6.3 Wireless Communication SoC Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Wireless Communication SoC Production Value Comparison
 - 4.1.1 United States VS China: Wireless Communication SoC Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Wireless Communication SoC Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Wireless Communication SoC Production Comparison
 - 4.2.1 United States VS China: Wireless Communication SoC Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Wireless Communication SoC Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Wireless Communication SoC Consumption Comparison
 - 4.3.1 United States VS China: Wireless Communication SoC Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Wireless Communication SoC Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Wireless Communication SoC Manufacturers and Market

Share, 2021-2026

4.4.1 United States Based Wireless Communication SoC Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Wireless Communication SoC Production Value (2021-2026)

4.4.3 United States Based Manufacturers Wireless Communication SoC Production (2021-2026)

4.5 China Based Wireless Communication SoC Manufacturers and Market Share

4.5.1 China Based Wireless Communication SoC Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Wireless Communication SoC Production Value (2021-2026)

4.5.3 China Based Manufacturers Wireless Communication SoC Production (2021-2026)

4.6 Rest of World Based Wireless Communication SoC Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Wireless Communication SoC Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Wireless Communication SoC Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Wireless Communication SoC Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Wireless Communication SoC Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Long-range Wireless Communication SoC

5.2.2 Short-range Wireless Communication SoC

5.2.3 Specialized and Programmable Wireless Communication SoC

5.3 Market Segment by Type

5.3.1 World Wireless Communication SoC Production by Type (2021-2032)

5.3.2 World Wireless Communication SoC Production Value by Type (2021-2032)

5.3.3 World Wireless Communication SoC Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY WIRELESS NETWORK ARCHITECTURE

6.1 World Wireless Communication SoC Market Size Overview by Wireless Network

Architecture: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Wireless Network Architecture

6.2.1 Cellular Communication SoC

6.2.2 Wireless Connectivity & IoT SoC

6.2.3 Wireless Audio SoC

6.2.4 UWB Communication & Ranging SoC

6.2.5 Specialized Wireless Communication SoC

6.2.6 Satellite & NTN Communication SoC

6.2.7 Programmable Wireless Communication SoC / RFSoc

6.3 Market Segment by Wireless Network Architecture

6.3.1 World Wireless Communication SoC Production by Wireless Network

Architecture (2021-2032)

6.3.2 World Wireless Communication SoC Production Value by Wireless Network

Architecture (2021-2032)

6.3.3 World Wireless Communication SoC Average Price by Wireless Network

Architecture (2021-2032)

7 MARKET ANALYSIS BY APPLICATION

7.1 World Wireless Communication SoC Market Size Overview by Application: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Application

7.2.1 Smartphones and Mobile Smart Devices

7.2.2 Consumer Electronics and Wireless Audio

7.2.3 Smart Home and Consumer IoT

7.2.4 Industrial and Utility IoT

7.2.5 Automotive and Transportation

7.2.6 Telecommunications Infrastructure

7.2.7 Low-Altitude, Satellite, and Specialized Communications

7.2.8 Others

7.3 Market Segment by Application

7.3.1 World Wireless Communication SoC Production by Application (2021-2032)

7.3.2 World Wireless Communication SoC Production Value by Application
(2021-2032)

7.3.3 World Wireless Communication SoC Average Price by Application (2021-2032)

8 COMPANY PROFILES

8.1 Qualcomm

- 8.1.1 Qualcomm Details
- 8.1.2 Qualcomm Major Business
- 8.1.3 Qualcomm Wireless Communication SoC Product and Services
- 8.1.4 Qualcomm Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.1.5 Qualcomm Recent Developments/Updates
- 8.1.6 Qualcomm Competitive Strengths & Weaknesses
- 8.2 AMD
 - 8.2.1 AMD Details
 - 8.2.2 AMD Major Business
 - 8.2.3 AMD Wireless Communication SoC Product and Services
 - 8.2.4 AMD Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.2.5 AMD Recent Developments/Updates
 - 8.2.6 AMD Competitive Strengths & Weaknesses
- 8.3 Infineon Technologies
 - 8.3.1 Infineon Technologies Details
 - 8.3.2 Infineon Technologies Major Business
 - 8.3.3 Infineon Technologies Wireless Communication SoC Product and Services
 - 8.3.4 Infineon Technologies Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.3.5 Infineon Technologies Recent Developments/Updates
 - 8.3.6 Infineon Technologies Competitive Strengths & Weaknesses
- 8.4 Texas Instruments
 - 8.4.1 Texas Instruments Details
 - 8.4.2 Texas Instruments Major Business
 - 8.4.3 Texas Instruments Wireless Communication SoC Product and Services
 - 8.4.4 Texas Instruments Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.4.5 Texas Instruments Recent Developments/Updates
 - 8.4.6 Texas Instruments Competitive Strengths & Weaknesses
- 8.5 MediaTek
 - 8.5.1 MediaTek Details
 - 8.5.2 MediaTek Major Business
 - 8.5.3 MediaTek Wireless Communication SoC Product and Services
 - 8.5.4 MediaTek Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.5.5 MediaTek Recent Developments/Updates
 - 8.5.6 MediaTek Competitive Strengths & Weaknesses

8.6 Auctus Technologies Co., Ltd

8.6.1 Auctus Technologies Co., Ltd Details

8.6.2 Auctus Technologies Co., Ltd Major Business

8.6.3 Auctus Technologies Co., Ltd Wireless Communication SoC Product and Services

8.6.4 Auctus Technologies Co., Ltd Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.6.5 Auctus Technologies Co., Ltd Recent Developments/Updates

8.6.6 Auctus Technologies Co., Ltd Competitive Strengths & Weaknesses

8.7 Morningcore Holding Co., Ltd

8.7.1 Morningcore Holding Co., Ltd Details

8.7.2 Morningcore Holding Co., Ltd Major Business

8.7.3 Morningcore Holding Co., Ltd Wireless Communication SoC Product and Services

8.7.4 Morningcore Holding Co., Ltd Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.7.5 Morningcore Holding Co., Ltd Recent Developments/Updates

8.7.6 Morningcore Holding Co., Ltd Competitive Strengths & Weaknesses

8.8 ASR Microelectronics Co., Ltd

8.8.1 ASR Microelectronics Co., Ltd Details

8.8.2 ASR Microelectronics Co., Ltd Major Business

8.8.3 ASR Microelectronics Co., Ltd Wireless Communication SoC Product and Services

8.8.4 ASR Microelectronics Co., Ltd Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.8.5 ASR Microelectronics Co., Ltd Recent Developments/Updates

8.8.6 ASR Microelectronics Co., Ltd Competitive Strengths & Weaknesses

8.9 Shanghai Fudan Microelectronics Group Co., Ltd

8.9.1 Shanghai Fudan Microelectronics Group Co., Ltd Details

8.9.2 Shanghai Fudan Microelectronics Group Co., Ltd Major Business

8.9.3 Shanghai Fudan Microelectronics Group Co., Ltd Wireless Communication SoC Product and Services

8.9.4 Shanghai Fudan Microelectronics Group Co., Ltd Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.9.5 Shanghai Fudan Microelectronics Group Co., Ltd Recent Developments/Updates

8.9.6 Shanghai Fudan Microelectronics Group Co., Ltd Competitive Strengths & Weaknesses

8.10 Shanghai Anlogic Infotech Co., Ltd

8.10.1 Shanghai Anlogic Infotech Co., Ltd Details

- 8.10.2 Shanghai Anlogic Infotech Co., Ltd Major Business
- 8.10.3 Shanghai Anlogic Infotech Co., Ltd Wireless Communication SoC Product and Services
- 8.10.4 Shanghai Anlogic Infotech Co., Ltd Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.10.5 Shanghai Anlogic Infotech Co., Ltd Recent Developments/Updates
- 8.10.6 Shanghai Anlogic Infotech Co., Ltd Competitive Strengths & Weaknesses
- 8.11 Chengdu Sino-Microelectronics Tech. Co., Ltd
 - 8.11.1 Chengdu Sino-Microelectronics Tech. Co., Ltd Details
 - 8.11.2 Chengdu Sino-Microelectronics Tech. Co., Ltd Major Business
 - 8.11.3 Chengdu Sino-Microelectronics Tech. Co., Ltd Wireless Communication SoC Product and Services
 - 8.11.4 Chengdu Sino-Microelectronics Tech. Co., Ltd Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.11.5 Chengdu Sino-Microelectronics Tech. Co., Ltd Recent Developments/Updates
 - 8.11.6 Chengdu Sino-Microelectronics Tech. Co., Ltd Competitive Strengths & Weaknesses
- 8.12 Zhuhai Aerospace Microchips Science & Technology Co., Ltd
 - 8.12.1 Zhuhai Aerospace Microchips Science & Technology Co., Ltd Details
 - 8.12.2 Zhuhai Aerospace Microchips Science & Technology Co., Ltd Major Business
 - 8.12.3 Zhuhai Aerospace Microchips Science & Technology Co., Ltd Wireless Communication SoC Product and Services
 - 8.12.4 Zhuhai Aerospace Microchips Science & Technology Co., Ltd Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.12.5 Zhuhai Aerospace Microchips Science & Technology Co., Ltd Recent Developments/Updates
 - 8.12.6 Zhuhai Aerospace Microchips Science & Technology Co., Ltd Competitive Strengths & Weaknesses
- 8.13 Artosyn
 - 8.13.1 Artosyn Details
 - 8.13.2 Artosyn Major Business
 - 8.13.3 Artosyn Wireless Communication SoC Product and Services
 - 8.13.4 Artosyn Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.13.5 Artosyn Recent Developments/Updates
 - 8.13.6 Artosyn Competitive Strengths & Weaknesses
- 8.14 Bestechnic
 - 8.14.1 Bestechnic Details

- 8.14.2 Bestechnic Major Business
- 8.14.3 Bestechnic Wireless Communication SoC Product and Services
- 8.14.4 Bestechnic Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.14.5 Bestechnic Recent Developments/Updates
- 8.14.6 Bestechnic Competitive Strengths & Weaknesses
- 8.15 Espressif Systems
 - 8.15.1 Espressif Systems Details
 - 8.15.2 Espressif Systems Major Business
 - 8.15.3 Espressif Systems Wireless Communication SoC Product and Services
 - 8.15.4 Espressif Systems Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.15.5 Espressif Systems Recent Developments/Updates
 - 8.15.6 Espressif Systems Competitive Strengths & Weaknesses
- 8.16 Shenzhen GiantSemi
 - 8.16.1 Shenzhen GiantSemi Details
 - 8.16.2 Shenzhen GiantSemi Major Business
 - 8.16.3 Shenzhen GiantSemi Wireless Communication SoC Product and Services
 - 8.16.4 Shenzhen GiantSemi Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.16.5 Shenzhen GiantSemi Recent Developments/Updates
 - 8.16.6 Shenzhen GiantSemi Competitive Strengths & Weaknesses
- 8.17 Freqchip Microelectronics Co.,Ltd
 - 8.17.1 Freqchip Microelectronics Co.,Ltd Details
 - 8.17.2 Freqchip Microelectronics Co.,Ltd Major Business
 - 8.17.3 Freqchip Microelectronics Co.,Ltd Wireless Communication SoC Product and Services
 - 8.17.4 Freqchip Microelectronics Co.,Ltd Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.17.5 Freqchip Microelectronics Co.,Ltd Recent Developments/Updates
 - 8.17.6 Freqchip Microelectronics Co.,Ltd Competitive Strengths & Weaknesses
- 8.18 OsemiTech
 - 8.18.1 OsemiTech Details
 - 8.18.2 OsemiTech Major Business
 - 8.18.3 OsemiTech Wireless Communication SoC Product and Services
 - 8.18.4 OsemiTech Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.18.5 OsemiTech Recent Developments/Updates
 - 8.18.6 OsemiTech Competitive Strengths & Weaknesses

8.19 UNISOC

8.19.1 UNISOC Details

8.19.2 UNISOC Major Business

8.19.3 UNISOC Wireless Communication SoC Product and Services

8.19.4 UNISOC Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.19.5 UNISOC Recent Developments/Updates

8.19.6 UNISOC Competitive Strengths & Weaknesses

8.20 HiSilicon

8.20.1 HiSilicon Details

8.20.2 HiSilicon Major Business

8.20.3 HiSilicon Wireless Communication SoC Product and Services

8.20.4 HiSilicon Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.20.5 HiSilicon Recent Developments/Updates

8.20.6 HiSilicon Competitive Strengths & Weaknesses

8.21 Eigencomm

8.21.1 Eigencomm Details

8.21.2 Eigencomm Major Business

8.21.3 Eigencomm Wireless Communication SoC Product and Services

8.21.4 Eigencomm Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.21.5 Eigencomm Recent Developments/Updates

8.21.6 Eigencomm Competitive Strengths & Weaknesses

8.22 Innobase

8.22.1 Innobase Details

8.22.2 Innobase Major Business

8.22.3 Innobase Wireless Communication SoC Product and Services

8.22.4 Innobase Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.22.5 Innobase Recent Developments/Updates

8.22.6 Innobase Competitive Strengths & Weaknesses

8.23 Beken Corporation

8.23.1 Beken Corporation Details

8.23.2 Beken Corporation Major Business

8.23.3 Beken Corporation Wireless Communication SoC Product and Services

8.23.4 Beken Corporation Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.23.5 Beken Corporation Recent Developments/Updates

- 8.23.6 Beken Corporation Competitive Strengths & Weaknesses
- 8.24 Telink Semiconductor
 - 8.24.1 Telink Semiconductor Details
 - 8.24.2 Telink Semiconductor Major Business
 - 8.24.3 Telink Semiconductor Wireless Communication SoC Product and Services
 - 8.24.4 Telink Semiconductor Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.24.5 Telink Semiconductor Recent Developments/Updates
 - 8.24.6 Telink Semiconductor Competitive Strengths & Weaknesses
- 8.25 JieLi Technology
 - 8.25.1 JieLi Technology Details
 - 8.25.2 JieLi Technology Major Business
 - 8.25.3 JieLi Technology Wireless Communication SoC Product and Services
 - 8.25.4 JieLi Technology Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.25.5 JieLi Technology Recent Developments/Updates
 - 8.25.6 JieLi Technology Competitive Strengths & Weaknesses
- 8.26 Actions Technology
 - 8.26.1 Actions Technology Details
 - 8.26.2 Actions Technology Major Business
 - 8.26.3 Actions Technology Wireless Communication SoC Product and Services
 - 8.26.4 Actions Technology Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.26.5 Actions Technology Recent Developments/Updates
 - 8.26.6 Actions Technology Competitive Strengths & Weaknesses
- 8.27 Bluetrum Technology
 - 8.27.1 Bluetrum Technology Details
 - 8.27.2 Bluetrum Technology Major Business
 - 8.27.3 Bluetrum Technology Wireless Communication SoC Product and Services
 - 8.27.4 Bluetrum Technology Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.27.5 Bluetrum Technology Recent Developments/Updates
 - 8.27.6 Bluetrum Technology Competitive Strengths & Weaknesses
- 8.28 Sequans Communications
 - 8.28.1 Sequans Communications Details
 - 8.28.2 Sequans Communications Major Business
 - 8.28.3 Sequans Communications Wireless Communication SoC Product and Services
 - 8.28.4 Sequans Communications Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 8.28.5 Sequans Communications Recent Developments/Updates
- 8.28.6 Sequans Communications Competitive Strengths & Weaknesses
- 8.29 Realtek Semiconductor
 - 8.29.1 Realtek Semiconductor Details
 - 8.29.2 Realtek Semiconductor Major Business
 - 8.29.3 Realtek Semiconductor Wireless Communication SoC Product and Services
 - 8.29.4 Realtek Semiconductor Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.29.5 Realtek Semiconductor Recent Developments/Updates
 - 8.29.6 Realtek Semiconductor Competitive Strengths & Weaknesses
- 8.30 Silicon Labs
 - 8.30.1 Silicon Labs Details
 - 8.30.2 Silicon Labs Major Business
 - 8.30.3 Silicon Labs Wireless Communication SoC Product and Services
 - 8.30.4 Silicon Labs Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.30.5 Silicon Labs Recent Developments/Updates
 - 8.30.6 Silicon Labs Competitive Strengths & Weaknesses
- 8.31 Renesas Electronics
 - 8.31.1 Renesas Electronics Details
 - 8.31.2 Renesas Electronics Major Business
 - 8.31.3 Renesas Electronics Wireless Communication SoC Product and Services
 - 8.31.4 Renesas Electronics Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.31.5 Renesas Electronics Recent Developments/Updates
 - 8.31.6 Renesas Electronics Competitive Strengths & Weaknesses
- 8.32 Microchip Technology
 - 8.32.1 Microchip Technology Details
 - 8.32.2 Microchip Technology Major Business
 - 8.32.3 Microchip Technology Wireless Communication SoC Product and Services
 - 8.32.4 Microchip Technology Wireless Communication SoC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.32.5 Microchip Technology Recent Developments/Updates
 - 8.32.6 Microchip Technology Competitive Strengths & Weaknesses

9 INDUSTRY CHAIN ANALYSIS

- 9.1 Wireless Communication SoC Industry Chain
- 9.2 Wireless Communication SoC Upstream Analysis

9.2.1 Wireless Communication SoC Core Raw Materials

9.2.2 Main Manufacturers of Wireless Communication SoC Core Raw Materials

9.3 Midstream Analysis

9.4 Downstream Analysis

9.5 Wireless Communication SoC Production Mode

9.6 Wireless Communication SoC Procurement Model

9.7 Wireless Communication SoC Industry Sales Model and Sales Channels

9.7.1 Wireless Communication SoC Sales Model

9.7.2 Wireless Communication SoC Typical Distributors

10 RESEARCH FINDINGS AND CONCLUSION

11 APPENDIX

11.1 Methodology

11.2 Research Process and Data Source

11.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Wireless Communication SoC Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Wireless Communication SoC Production Value by Region (2021-2026) & (USD Million)

Table 3. World Wireless Communication SoC Production Value by Region (2027-2032) & (USD Million)

Table 4. World Wireless Communication SoC Production Value Market Share by Region (2021-2026)

Table 5. World Wireless Communication SoC Production Value Market Share by Region (2027-2032)

Table 6. World Wireless Communication SoC Production by Region (2021-2026) & (Million Units)

Table 7. World Wireless Communication SoC Production by Region (2027-2032) & (Million Units)

Table 8. World Wireless Communication SoC Production Market Share by Region (2021-2026)

Table 9. World Wireless Communication SoC Production Market Share by Region (2027-2032)

Table 10. World Wireless Communication SoC Average Price by Region (2021-2026) & (USD/K Unit)

Table 11. World Wireless Communication SoC Average Price by Region (2027-2032) & (USD/K Unit)

Table 12. Wireless Communication SoC Major Market Trends

Table 13. World Wireless Communication SoC Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Million Units)

Table 14. World Wireless Communication SoC Consumption by Region (2021-2026) & (Million Units)

Table 15. World Wireless Communication SoC Consumption Forecast by Region (2027-2032) & (Million Units)

Table 16. World Wireless Communication SoC Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Wireless Communication SoC Producers in 2025

Table 18. World Wireless Communication SoC Production by Manufacturer (2021-2026) & (Million Units)

Table 19. Production Market Share of Key Wireless Communication SoC Producers in 2025

Table 20. World Wireless Communication SoC Average Price by Manufacturer (2021-2026) & (USD/K Unit)

Table 21. Global Wireless Communication SoC Company Evaluation Quadrant

Table 22. World Wireless Communication SoC Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Wireless Communication SoC Production Site of Key Manufacturer

Table 24. Wireless Communication SoC Market: Company Product Type Footprint

Table 25. Wireless Communication SoC Market: Company Product Application Footprint

Table 26. Wireless Communication SoC Competitive Factors

Table 27. Wireless Communication SoC New Entrant and Capacity Expansion Plans

Table 28. Wireless Communication SoC Mergers & Acquisitions Activity

Table 29. United States VS China Wireless Communication SoC Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Wireless Communication SoC Production Comparison, (2021 & 2025 & 2032) & (Million Units)

Table 31. United States VS China Wireless Communication SoC Consumption Comparison, (2021 & 2025 & 2032) & (Million Units)

Table 32. United States Based Wireless Communication SoC Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Wireless Communication SoC Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Wireless Communication SoC Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Wireless Communication SoC Production (2021-2026) & (Million Units)

Table 36. United States Based Manufacturers Wireless Communication SoC Production Market Share (2021-2026)

Table 37. China Based Wireless Communication SoC Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Wireless Communication SoC Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Wireless Communication SoC Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Wireless Communication SoC Production, (2021-2026) & (Million Units)

Table 41. China Based Manufacturers Wireless Communication SoC Production Market Share (2021-2026)

Table 42. Rest of World Based Wireless Communication SoC Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Wireless Communication SoC Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Wireless Communication SoC Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Wireless Communication SoC Production, (2021-2026) & (Million Units)

Table 46. Rest of World Based Manufacturers Wireless Communication SoC Production Market Share (2021-2026)

Table 47. World Wireless Communication SoC Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Wireless Communication SoC Production by Type (2021-2026) & (Million Units)

Table 49. World Wireless Communication SoC Production by Type (2027-2032) & (Million Units)

Table 50. World Wireless Communication SoC Production Value by Type (2021-2026) & (USD Million)

Table 51. World Wireless Communication SoC Production Value by Type (2027-2032) & (USD Million)

Table 52. World Wireless Communication SoC Average Price by Type (2021-2026) & (USD/K Unit)

Table 53. World Wireless Communication SoC Average Price by Type (2027-2032) & (USD/K Unit)

Table 54. World Wireless Communication SoC Production Value by Wireless Network Architecture, (USD Million), 2021 & 2025 & 2032

Table 55. World Wireless Communication SoC Production by Wireless Network Architecture (2021-2026) & (Million Units)

Table 56. World Wireless Communication SoC Production by Wireless Network Architecture (2027-2032) & (Million Units)

Table 57. World Wireless Communication SoC Production Value by Wireless Network Architecture (2021-2026) & (USD Million)

Table 58. World Wireless Communication SoC Production Value by Wireless Network Architecture (2027-2032) & (USD Million)

Table 59. World Wireless Communication SoC Average Price by Wireless Network Architecture (2021-2026) & (USD/K Unit)

Table 60. World Wireless Communication SoC Average Price by Wireless Network

Architecture (2027-2032) & (USD/K Unit)

Table 61. World Wireless Communication SoC Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 62. World Wireless Communication SoC Production by Application (2021-2026) & (Million Units)

Table 63. World Wireless Communication SoC Production by Application (2027-2032) & (Million Units)

Table 64. World Wireless Communication SoC Production Value by Application (2021-2026) & (USD Million)

Table 65. World Wireless Communication SoC Production Value by Application (2027-2032) & (USD Million)

Table 66. World Wireless Communication SoC Average Price by Application (2021-2026) & (USD/K Unit)

Table 67. World Wireless Communication SoC Average Price by Application (2027-2032) & (USD/K Unit)

Table 68. Qualcomm Basic Information, Manufacturing Base and Competitors

Table 69. Qualcomm Major Business

Table 70. Qualcomm Wireless Communication SoC Product and Services

Table 71. Qualcomm Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 72. Qualcomm Recent Developments/Updates

Table 73. Qualcomm Competitive Strengths & Weaknesses

Table 74. AMD Basic Information, Manufacturing Base and Competitors

Table 75. AMD Major Business

Table 76. AMD Wireless Communication SoC Product and Services

Table 77. AMD Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 78. AMD Recent Developments/Updates

Table 79. AMD Competitive Strengths & Weaknesses

Table 80. Infineon Technologies Basic Information, Manufacturing Base and Competitors

Table 81. Infineon Technologies Major Business

Table 82. Infineon Technologies Wireless Communication SoC Product and Services

Table 83. Infineon Technologies Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 84. Infineon Technologies Recent Developments/Updates

Table 85. Infineon Technologies Competitive Strengths & Weaknesses

Table 86. Texas Instruments Basic Information, Manufacturing Base and Competitors

Table 87. Texas Instruments Major Business

Table 88. Texas Instruments Wireless Communication SoC Product and Services

Table 89. Texas Instruments Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 90. Texas Instruments Recent Developments/Updates

Table 91. Texas Instruments Competitive Strengths & Weaknesses

Table 92. MediaTek Basic Information, Manufacturing Base and Competitors

Table 93. MediaTek Major Business

Table 94. MediaTek Wireless Communication SoC Product and Services

Table 95. MediaTek Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 96. MediaTek Recent Developments/Updates

Table 97. MediaTek Competitive Strengths & Weaknesses

Table 98. Auctus Technologies Co., Ltd Basic Information, Manufacturing Base and Competitors

Table 99. Auctus Technologies Co., Ltd Major Business

Table 100. Auctus Technologies Co., Ltd Wireless Communication SoC Product and Services

Table 101. Auctus Technologies Co., Ltd Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 102. Auctus Technologies Co., Ltd Recent Developments/Updates

Table 103. Auctus Technologies Co., Ltd Competitive Strengths & Weaknesses

Table 104. Morningcore Holding Co., Ltd Basic Information, Manufacturing Base and Competitors

Table 105. Morningcore Holding Co., Ltd Major Business

Table 106. Morningcore Holding Co., Ltd Wireless Communication SoC Product and Services

Table 107. Morningcore Holding Co., Ltd Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 108. Morningcore Holding Co., Ltd Recent Developments/Updates

Table 109. Morningcore Holding Co., Ltd Competitive Strengths & Weaknesses

Table 110. ASR Microelectronics Co., Ltd Basic Information, Manufacturing Base and Competitors

Table 111. ASR Microelectronics Co., Ltd Major Business

Table 112. ASR Microelectronics Co., Ltd Wireless Communication SoC Product and Services

Table 113. ASR Microelectronics Co., Ltd Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 114. ASR Microelectronics Co., Ltd Recent Developments/Updates

Table 115. ASR Microelectronics Co., Ltd Competitive Strengths & Weaknesses

Table 116. Shanghai Fudan Microelectronics Group Co., Ltd Basic Information, Manufacturing Base and Competitors

Table 117. Shanghai Fudan Microelectronics Group Co., Ltd Major Business

Table 118. Shanghai Fudan Microelectronics Group Co., Ltd Wireless Communication SoC Product and Services

Table 119. Shanghai Fudan Microelectronics Group Co., Ltd Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 120. Shanghai Fudan Microelectronics Group Co., Ltd Recent Developments/Updates

Table 121. Shanghai Fudan Microelectronics Group Co., Ltd Competitive Strengths & Weaknesses

Table 122. Shanghai Anlogic Infotech Co., Ltd Basic Information, Manufacturing Base and Competitors

Table 123. Shanghai Anlogic Infotech Co., Ltd Major Business

Table 124. Shanghai Anlogic Infotech Co., Ltd Wireless Communication SoC Product and Services

Table 125. Shanghai Anlogic Infotech Co., Ltd Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 126. Shanghai Anlogic Infotech Co., Ltd Recent Developments/Updates

Table 127. Shanghai Anlogic Infotech Co., Ltd Competitive Strengths & Weaknesses

Table 128. Chengdu Sino-Microelectronics Tech. Co., Ltd Basic Information, Manufacturing Base and Competitors

Table 129. Chengdu Sino-Microelectronics Tech. Co., Ltd Major Business

Table 130. Chengdu Sino-Microelectronics Tech. Co., Ltd Wireless Communication SoC Product and Services

Table 131. Chengdu Sino-Microelectronics Tech. Co., Ltd Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 132. Chengdu Sino-Microelectronics Tech. Co., Ltd Recent Developments/Updates

Table 133. Chengdu Sino-Microelectronics Tech. Co., Ltd Competitive Strengths & Weaknesses

Table 134. Zhuhai Aerospace Microchips Science & Technology Co., Ltd Basic Information, Manufacturing Base and Competitors

Table 135. Zhuhai Aerospace Microchips Science & Technology Co., Ltd Major Business

Table 136. Zhuhai Aerospace Microchips Science & Technology Co., Ltd Wireless Communication SoC Product and Services

Table 137. Zhuhai Aerospace Microchips Science & Technology Co., Ltd Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 138. Zhuhai Aerospace Microchips Science & Technology Co., Ltd Recent Developments/Updates

Table 139. Zhuhai Aerospace Microchips Science & Technology Co., Ltd Competitive Strengths & Weaknesses

Table 140. Artosyn Basic Information, Manufacturing Base and Competitors

Table 141. Artosyn Major Business

Table 142. Artosyn Wireless Communication SoC Product and Services

Table 143. Artosyn Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 144. Artosyn Recent Developments/Updates

Table 145. Artosyn Competitive Strengths & Weaknesses

Table 146. Bestechnic Basic Information, Manufacturing Base and Competitors

Table 147. Bestechnic Major Business

Table 148. Bestechnic Wireless Communication SoC Product and Services

Table 149. Bestechnic Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 150. Bestechnic Recent Developments/Updates

Table 151. Bestechnic Competitive Strengths & Weaknesses

Table 152. Espressif Systems Basic Information, Manufacturing Base and Competitors

Table 153. Espressif Systems Major Business

Table 154. Espressif Systems Wireless Communication SoC Product and Services

Table 155. Espressif Systems Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 156. Espressif Systems Recent Developments/Updates

Table 157. Espressif Systems Competitive Strengths & Weaknesses

Table 158. Shenzhen GiantSemi Basic Information, Manufacturing Base and Competitors

Table 159. Shenzhen GiantSemi Major Business

Table 160. Shenzhen GiantSemi Wireless Communication SoC Product and Services

Table 161. Shenzhen GiantSemi Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 162. Shenzhen GiantSemi Recent Developments/Updates

Table 163. Shenzhen GiantSemi Competitive Strengths & Weaknesses

Table 164. Freqchip Microelectronics Co.,Ltd Basic Information, Manufacturing Base and Competitors

Table 165. Freqchip Microelectronics Co.,Ltd Major Business

Table 166. Freqchip Microelectronics Co.,Ltd Wireless Communication SoC Product and Services

Table 167. Freqchip Microelectronics Co.,Ltd Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 168. Freqchip Microelectronics Co.,Ltd Recent Developments/Updates

Table 169. Freqchip Microelectronics Co.,Ltd Competitive Strengths & Weaknesses

Table 170. OsemiTech Basic Information, Manufacturing Base and Competitors

Table 171. OsemiTech Major Business

Table 172. OsemiTech Wireless Communication SoC Product and Services

Table 173. OsemiTech Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 174. OsemiTech Recent Developments/Updates

Table 175. OsemiTech Competitive Strengths & Weaknesses

Table 176. UNISOC Basic Information, Manufacturing Base and Competitors

Table 177. UNISOC Major Business

Table 178. UNISOC Wireless Communication SoC Product and Services

Table 179. UNISOC Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 180. UNISOC Recent Developments/Updates

Table 181. UNISOC Competitive Strengths & Weaknesses

Table 182. HiSilicon Basic Information, Manufacturing Base and Competitors

Table 183. HiSilicon Major Business

Table 184. HiSilicon Wireless Communication SoC Product and Services

Table 185. HiSilicon Wireless Communication SoC Production (Million Units), Price

(USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 186. HiSilicon Recent Developments/Updates

Table 187. HiSilicon Competitive Strengths & Weaknesses

Table 188. Eigencomm Basic Information, Manufacturing Base and Competitors

Table 189. Eigencomm Major Business

Table 190. Eigencomm Wireless Communication SoC Product and Services

Table 191. Eigencomm Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 192. Eigencomm Recent Developments/Updates

Table 193. Eigencomm Competitive Strengths & Weaknesses

Table 194. Innobase Basic Information, Manufacturing Base and Competitors

Table 195. Innobase Major Business

Table 196. Innobase Wireless Communication SoC Product and Services

Table 197. Innobase Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 198. Innobase Recent Developments/Updates

Table 199. Innobase Competitive Strengths & Weaknesses

Table 200. Beken Corporation Basic Information, Manufacturing Base and Competitors

Table 201. Beken Corporation Major Business

Table 202. Beken Corporation Wireless Communication SoC Product and Services

Table 203. Beken Corporation Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 204. Beken Corporation Recent Developments/Updates

Table 205. Beken Corporation Competitive Strengths & Weaknesses

Table 206. Telink Semiconductor Basic Information, Manufacturing Base and Competitors

Table 207. Telink Semiconductor Major Business

Table 208. Telink Semiconductor Wireless Communication SoC Product and Services

Table 209. Telink Semiconductor Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 210. Telink Semiconductor Recent Developments/Updates

Table 211. Telink Semiconductor Competitive Strengths & Weaknesses

Table 212. JieLi Technology Basic Information, Manufacturing Base and Competitors

Table 213. JieLi Technology Major Business

Table 214. JieLi Technology Wireless Communication SoC Product and Services

Table 215. JieLi Technology Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 216. JieLi Technology Recent Developments/Updates

Table 217. JieLi Technology Competitive Strengths & Weaknesses

Table 218. Actions Technology Basic Information, Manufacturing Base and Competitors

Table 219. Actions Technology Major Business

Table 220. Actions Technology Wireless Communication SoC Product and Services

Table 221. Actions Technology Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 222. Actions Technology Recent Developments/Updates

Table 223. Actions Technology Competitive Strengths & Weaknesses

Table 224. Bluetrum Technology Basic Information, Manufacturing Base and Competitors

Table 225. Bluetrum Technology Major Business

Table 226. Bluetrum Technology Wireless Communication SoC Product and Services

Table 227. Bluetrum Technology Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 228. Bluetrum Technology Recent Developments/Updates

Table 229. Bluetrum Technology Competitive Strengths & Weaknesses

Table 230. Sequans Communications Basic Information, Manufacturing Base and Competitors

Table 231. Sequans Communications Major Business

Table 232. Sequans Communications Wireless Communication SoC Product and Services

Table 233. Sequans Communications Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 234. Sequans Communications Recent Developments/Updates

Table 235. Sequans Communications Competitive Strengths & Weaknesses

Table 236. Realtek Semiconductor Basic Information, Manufacturing Base and Competitors

Table 237. Realtek Semiconductor Major Business

Table 238. Realtek Semiconductor Wireless Communication SoC Product and Services

Table 239. Realtek Semiconductor Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market

Share (2021-2026)

Table 240. Realtek Semiconductor Recent Developments/Updates

Table 241. Realtek Semiconductor Competitive Strengths & Weaknesses

Table 242. Silicon Labs Basic Information, Manufacturing Base and Competitors

Table 243. Silicon Labs Major Business

Table 244. Silicon Labs Wireless Communication SoC Product and Services

Table 245. Silicon Labs Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 246. Silicon Labs Recent Developments/Updates

Table 247. Silicon Labs Competitive Strengths & Weaknesses

Table 248. Renesas Electronics Basic Information, Manufacturing Base and Competitors

Table 249. Renesas Electronics Major Business

Table 250. Renesas Electronics Wireless Communication SoC Product and Services

Table 251. Renesas Electronics Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 252. Renesas Electronics Recent Developments/Updates

Table 253. Renesas Electronics Competitive Strengths & Weaknesses

Table 254. Microchip Technology Basic Information, Manufacturing Base and Competitors

Table 255. Microchip Technology Major Business

Table 256. Microchip Technology Wireless Communication SoC Product and Services

Table 257. Microchip Technology Wireless Communication SoC Production (Million Units), Price (USD/K Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 258. Microchip Technology Recent Developments/Updates

Table 259. Microchip Technology Competitive Strengths & Weaknesses

Table 260. Global Key Players of Wireless Communication SoC Upstream (Raw Materials)

Table 261. Global Wireless Communication SoC Typical Customers

Table 262. Wireless Communication SoC Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Wireless Communication SoC Picture

Figure 2. World Wireless Communication SoC Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Wireless Communication SoC Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Wireless Communication SoC Production (2021-2032) & (Million Units)

Figure 5. World Wireless Communication SoC Average Price (2021-2032) & (USD/K Unit)

Figure 6. World Wireless Communication SoC Production Value Market Share by Region (2021-2032)

Figure 7. World Wireless Communication SoC Production Market Share by Region (2021-2032)

Figure 8. North America Wireless Communication SoC Production (2021-2032) & (Million Units)

Figure 9. Europe Wireless Communication SoC Production (2021-2032) & (Million Units)

Figure 10. China Wireless Communication SoC Production (2021-2032) & (Million Units)

Figure 11. Japan Wireless Communication SoC Production (2021-2032) & (Million Units)

Figure 12. Wireless Communication SoC Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Wireless Communication SoC Consumption (2021-2032) & (Million Units)

Figure 15. World Wireless Communication SoC Consumption Market Share by Region (2021-2032)

Figure 16. United States Wireless Communication SoC Consumption (2021-2032) & (Million Units)

Figure 17. China Wireless Communication SoC Consumption (2021-2032) & (Million Units)

Figure 18. Europe Wireless Communication SoC Consumption (2021-2032) & (Million Units)

Figure 19. Japan Wireless Communication SoC Consumption (2021-2032) & (Million Units)

Figure 20. South Korea Wireless Communication SoC Consumption (2021-2032) &

(Million Units)

Figure 21. ASEAN Wireless Communication SoC Consumption (2021-2032) & (Million Units)

Figure 22. India Wireless Communication SoC Consumption (2021-2032) & (Million Units)

Figure 23. Producer Shipments of Wireless Communication SoC by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Wireless Communication SoC Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Wireless Communication SoC Markets in 2025

Figure 26. United States VS China: Wireless Communication SoC Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Wireless Communication SoC Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Wireless Communication SoC Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Wireless Communication SoC Production Market Share 2025

Figure 30. China Based Manufacturers Wireless Communication SoC Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Wireless Communication SoC Production Market Share 2025

Figure 32. World Wireless Communication SoC Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Wireless Communication SoC Production Value Market Share by Type in 2025

Figure 34. Long-range Wireless Communication SoC

Figure 35. Short-range Wireless Communication SoC

Figure 36. Specialized and Programmable Wireless Communication SoC

Figure 37. World Wireless Communication SoC Production Market Share by Type (2021-2032)

Figure 38. World Wireless Communication SoC Production Value Market Share by Type (2021-2032)

Figure 39. World Wireless Communication SoC Average Price by Type (2021-2032) & (USD/K Unit)

Figure 40. World Wireless Communication SoC Production Value by Wireless Network Architecture, (USD Million), 2021 & 2025 & 2032

Figure 41. World Wireless Communication SoC Production Value Market Share by

Wireless Network Architecture in 2025

Figure 42. Cellular Communication SoC

Figure 43. Wireless Connectivity & IoT SoC

Figure 44. Wireless Audio SoC

Figure 45. UWB Communication & Ranging SoC

Figure 46. Specialized Wireless Communication SoC

Figure 47. Satellite & NTN Communication SoC

Figure 48. Programmable Wireless Communication SoC / RFSoc

Figure 49. Programmable Wireless Communication SoC / RFSoc

Figure 50. World Wireless Communication SoC Production Market Share by Wireless Network Architecture (2021-2032)

Figure 51. World Wireless Communication SoC Production Value Market Share by Wireless Network Architecture (2021-2032)

Figure 52. World Wireless Communication SoC Average Price by Wireless Network Architecture (2021-2032) & (USD/K Unit)

Figure 53. World Wireless Communication SoC Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 54. World Wireless Communication SoC Production Value Market Share by Application in 2025

Figure 55. Smartphones and Mobile Smart Devices

Figure 56. Consumer Electronics and Wireless Audio

Figure 57. Smart Home and Consumer IoT

Figure 58. Industrial and Utility IoT

Figure 59. Automotive and Transportation

Figure 60. Telecommunications Infrastructure

Figure 61. Low-Altitude, Satellite, and Specialized Communications

Figure 62. Others

Figure 63. Others

Figure 64. World Wireless Communication SoC Production Market Share by Application (2021-2032)

Figure 65. World Wireless Communication SoC Production Value Market Share by Application (2021-2032)

Figure 66. World Wireless Communication SoC Average Price by Application (2021-2032) & (USD/K Unit)

Figure 67. Wireless Communication SoC Industry Chain

Figure 68. Wireless Communication SoC Procurement Model

Figure 69. Wireless Communication SoC Sales Model

Figure 70. Wireless Communication SoC Sales Channels, Direct Sales, and Distribution

Figure 71. Methodology

Figure 72. Research Process and Data Source

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