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Global V2X Roadside Communication Terminal Market Growth 2025-2031

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Abstracts

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The global Automotive Active Grille Shutters market size is predicted to grow from US$ 1755 million in 2025 to US$ 2722 million in 2031; it is expected to grow at a CAGR of 7.6% from 2025 to 2031.

Automotive active grille shutters are a system of automatically controlled louvers or vanes positioned in front of a vehicle's radiator. These shutters open and close to regulate airflow to the engine compartment. When cooling is needed, the shutters open to allow air to flow through the radiator. When cooling is not required, such as during warm-up or highway cruising, the shutters close to improve aerodynamics, reducing drag and improving fuel efficiency.

The trend in active grille shutter technology is focused on improving performance, expanding functionality, and reducing complexity. Key trends include: enhanced control algorithms that consider a wider range of parameters, such as engine temperature, vehicle speed, ambient temperature, and even driving style, for more precise airflow management; improved actuator designs for faster opening and closing times, as well as increased durability and reliability in harsh environments; integration with other vehicle systems, such as the climate control system and engine management system, for optimized overall vehicle performance; the use of lighter-weight materials, such as plastics and composites, to reduce weight and improve fuel efficiency; and the development of more compact designs to allow for greater styling flexibility. Furthermore, there's a growing emphasis on predictive control strategies that anticipate cooling needs based on navigation data or traffic conditions, enabling proactive shutter adjustments. The trend is also towards more sophisticated diagnostic capabilities,

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allowing for early detection of potential issues. This aligns with the automotive industry's focus on improving fuel economy, reducing emissions, and enhancing vehicle performance and aerodynamics.

The Automotive Active Grille Shutters (AGS) market is part of the larger trend toward increasing vehicle fuel efficiency, aerodynamics, and reducing emissions. Active grille shutters are a key component in improving the overall performance and efficiency of modern vehicles by optimizing airflow to the engine and cooling systems. These shutters adjust automatically depending on driving conditions, contributing to better fuel economy and reduced environmental impact. As the automotive industry focuses on innovation, fuel efficiency, and emission standards, the active grille shutters market is witnessing significant growth.

Fuel efficiency and CO2 emission reduction are among the top priorities for automakers due to stringent government regulations, especially in regions like the European Union, North America, and China.

Active grille shutters improve aerodynamics by controlling airflow to the engine and cooling systems, reducing drag and fuel consumption, particularly at high speeds. By optimizing airflow, they enhance vehicle performance and contribute to meeting emission reduction standards.

Regulatory frameworks such as Euro 6, CAFE (Corporate Average Fuel Economy) standards, and fuel economy regulations in various countries continue to encourage the adoption of AGS to improve vehicle efficiency.

LP Information, Inc. (LPI) ' newest research report, the “Automotive Active Grille Shutters Industry Forecast” looks at past sales and reviews total world Automotive Active Grille Shutters sales in 2024, providing a comprehensive analysis by region and market sector of projected Automotive Active Grille Shutters sales for 2025 through 2031. With Automotive Active Grille Shutters sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Automotive Active Grille Shutters industry.

This Insight Report provides a comprehensive analysis of the global Automotive Active Grille Shutters landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Automotive Active Grille Shutters portfolios and capabilities, market entry strategies,

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market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Automotive Active Grille Shutters market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive Active Grille Shutters and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Automotive Active Grille Shutters.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive Active Grille Shutters market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Visible Type

Non-Visible Type

Segmentation by Application:

Commercial Vehicle

Passenger Vehicle

This report also splits the market by region:

Americas

United States

Canada

Mexico

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- Brazil

APAC

- China
- Japan
- Korea
- Southeast Asia
- India
- Australia

Europe

- Germany
- France
- UK
- Italy
- Russia

Middle East & Africa

- Egypt
- South Africa
- Israel
- Turkey
- GCC Countries

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The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Rochling

Valeo

Magna International

Wirthwein

SRG Global

Batz

HBPO GmbH

Techniplas

Brose Fahrzeugteile

STARLITE

Mirror Controls International

Huatong Automotive Molding

Tong Yang Group

Sonceboz

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive Active Grille Shutters market?

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What factors are driving Automotive Active Grille Shutters market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Automotive Active Grille Shutters market opportunities vary by end market size?

How does Automotive Active Grille Shutters break out by Type, by Application?

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Contents

1 SCOPE OF THE REPORT

1.1 Market Introduction
1.2 Years Considered
1.3 Research Objectives
1.4 Market Research Methodology
1.5 Research Process and Data Source
1.6 Economic Indicators
1.7 Currency Considered
1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview
  2.1.1 Global V2X Roadside Communication Terminal Annual Sales 2020-2031
  2.1.2 World Current & Future Analysis for V2X Roadside Communication Terminal by Geographic Region, 2020, 2024 & 2031
  2.1.3 World Current & Future Analysis for V2X Roadside Communication Terminal by Country/Region, 2020, 2024 & 2031
2.2 V2X Roadside Communication Terminal Segment by Type
  2.2.1 4G
  2.2.2 5G
2.3 V2X Roadside Communication Terminal Sales by Type
  2.3.1 Global V2X Roadside Communication Terminal Sales Market Share by Type (2020-2025)
  2.3.2 Global V2X Roadside Communication Terminal Revenue and Market Share by Type (2020-2025)
  2.3.3 Global V2X Roadside Communication Terminal Sale Price by Type (2020-2025)
2.4 V2X Roadside Communication Terminal Segment by Application
  2.4.1 Commercial Vehicles
  2.4.2 Passenger Cars
2.5 V2X Roadside Communication Terminal Sales by Application
  2.5.1 Global V2X Roadside Communication Terminal Sale Market Share by Application (2020-2025)
  2.5.2 Global V2X Roadside Communication Terminal Revenue and Market Share by Application (2020-2025)
  2.5.3 Global V2X Roadside Communication Terminal Sale Price by Application

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(2020-2025)

3 GLOBAL BY COMPANY

3.1 Global V2X Roadside Communication Terminal Breakdown Data by Company
  3.1.1 Global V2X Roadside Communication Terminal Annual Sales by Company (2020-2025)
  3.1.2 Global V2X Roadside Communication Terminal Sales Market Share by Company (2020-2025)
3.2 Global V2X Roadside Communication Terminal Annual Revenue by Company (2020-2025)
  3.2.1 Global V2X Roadside Communication Terminal Revenue by Company (2020-2025)
  3.2.2 Global V2X Roadside Communication Terminal Revenue Market Share by Company (2020-2025)
3.3 Global V2X Roadside Communication Terminal Sale Price by Company
3.4 Key Manufacturers V2X Roadside Communication Terminal Producing Area Distribution, Sales Area, Product Type
  3.4.1 Key Manufacturers V2X Roadside Communication Terminal Product Location Distribution
  3.4.2 Players V2X Roadside Communication Terminal Products Offered
3.5 Market Concentration Rate Analysis
  3.5.1 Competition Landscape Analysis
  3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)
3.6 New Products and Potential Entrants
3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR V2X ROADSIDE COMMUNICATION TERMINAL BY GEOGRAPHIC REGION

4.1 World Historic V2X Roadside Communication Terminal Market Size by Geographic Region (2020-2025)
  4.1.1 Global V2X Roadside Communication Terminal Annual Sales by Geographic Region (2020-2025)
  4.1.2 Global V2X Roadside Communication Terminal Annual Revenue by Geographic Region (2020-2025)
4.2 World Historic V2X Roadside Communication Terminal Market Size by Country/Region (2020-2025)
  4.2.1 Global V2X Roadside Communication Terminal Annual Sales by Country/Region

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(2020-2025)
4.2.2 Global V2X Roadside Communication Terminal Annual Revenue by Country/Region (2020-2025)
4.3 Americas V2X Roadside Communication Terminal Sales Growth
4.4 APAC V2X Roadside Communication Terminal Sales Growth
4.5 Europe V2X Roadside Communication Terminal Sales Growth
4.6 Middle East & Africa V2X Roadside Communication Terminal Sales Growth

5 AMERICAS

5.1 Americas V2X Roadside Communication Terminal Sales by Country
5.1.1 Americas V2X Roadside Communication Terminal Sales by Country (2020-2025)
5.1.2 Americas V2X Roadside Communication Terminal Revenue by Country (2020-2025)
5.2 Americas V2X Roadside Communication Terminal Sales by Type (2020-2025)
5.3 Americas V2X Roadside Communication Terminal Sales by Application (2020-2025)
5.4 United States
5.5 Canada
5.6 Mexico
5.7 Brazil

6 APAC

6.1 APAC V2X Roadside Communication Terminal Sales by Region
6.1.1 APAC V2X Roadside Communication Terminal Sales by Region (2020-2025)
6.1.2 APAC V2X Roadside Communication Terminal Revenue by Region (2020-2025)
6.2 APAC V2X Roadside Communication Terminal Sales by Type (2020-2025)
6.3 APAC V2X Roadside Communication Terminal Sales by Application (2020-2025)
6.4 China
6.5 Japan
6.6 South Korea
6.7 Southeast Asia
6.8 India
6.9 Australia
6.10 China Taiwan

7 EUROPE

7.1 Europe V2X Roadside Communication Terminal by Country

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7.1.1 Europe V2X Roadside Communication Terminal Sales by Country (2020-2025)
7.1.2 Europe V2X Roadside Communication Terminal Revenue by Country (2020-2025)
7.2 Europe V2X Roadside Communication Terminal Sales by Type (2020-2025)
7.3 Europe V2X Roadside Communication Terminal Sales by Application (2020-2025)
7.4 Germany
7.5 France
7.6 UK
7.7 Italy
7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa V2X Roadside Communication Terminal by Country
8.1.1 Middle East & Africa V2X Roadside Communication Terminal Sales by Country (2020-2025)
8.1.2 Middle East & Africa V2X Roadside Communication Terminal Revenue by Country (2020-2025)
8.2 Middle East & Africa V2X Roadside Communication Terminal Sales by Type (2020-2025)
8.3 Middle East & Africa V2X Roadside Communication Terminal Sales by Application (2020-2025)
8.4 Egypt
8.5 South Africa
8.6 Israel
8.7 Turkey
8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities
9.2 Market Challenges & Risks
9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers
10.2 Manufacturing Cost Structure Analysis of V2X Roadside Communication Terminal
10.3 Manufacturing Process Analysis of V2X Roadside Communication Terminal

+357 96 030922
info@marketpublishers.com

10.4 Industry Chain Structure of V2X Roadside Communication Terminal

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel
  11.1.1 Direct Channels
  11.1.2 Indirect Channels
11.2 V2X Roadside Communication Terminal Distributors
11.3 V2X Roadside Communication Terminal Customer

12 WORLD FORECAST REVIEW FOR V2X ROADSIDE COMMUNICATION TERMINAL BY GEOGRAPHIC REGION

12.1 Global V2X Roadside Communication Terminal Market Size Forecast by Region
  12.1.1 Global V2X Roadside Communication Terminal Forecast by Region (2026-2031)
  12.1.2 Global V2X Roadside Communication Terminal Annual Revenue Forecast by Region (2026-2031)
12.2 Americas Forecast by Country (2026-2031)
12.3 APAC Forecast by Region (2026-2031)
12.4 Europe Forecast by Country (2026-2031)
12.5 Middle East & Africa Forecast by Country (2026-2031)
12.6 Global V2X Roadside Communication Terminal Forecast by Type (2026-2031)
12.7 Global V2X Roadside Communication Terminal Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

13.1 Continent
  13.1.1 Continent Company Information
  13.1.2 Continent V2X Roadside Communication Terminal Product Portfolios and Specifications
  13.1.3 Continent V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
  13.1.4 Continent Main Business Overview
  13.1.5 Continent Latest Developments
13.2 Q-Free
  13.2.1 Q-Free Company Information
  13.2.2 Q-Free V2X Roadside Communication Terminal Product Portfolios and

+357 96 030922
info@marketpublishers.com

Specifications
13.2.3 Q-Free V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.2.4 Q-Free Main Business Overview
13.2.5 Q-Free Latest Developments
13.3 Commsignia
13.3.1 Commsignia Company Information
13.3.2 Commsignia V2X Roadside Communication Terminal Product Portfolios and Specifications
13.3.3 Commsignia V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.3.4 Commsignia Main Business Overview
13.3.5 Commsignia Latest Developments
13.4 Danlaw
13.4.1 Danlaw Company Information
13.4.2 Danlaw V2X Roadside Communication Terminal Product Portfolios and Specifications
13.4.3 Danlaw V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.4.4 Danlaw Main Business Overview
13.4.5 Danlaw Latest Developments
13.5 Movyon
13.5.1 Movyon Company Information
13.5.2 Movyon V2X Roadside Communication Terminal Product Portfolios and Specifications
13.5.3 Movyon V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.5.4 Movyon Main Business Overview
13.5.5 Movyon Latest Developments
13.6 Alps Alpine
13.6.1 Alps Alpine Company Information
13.6.2 Alps Alpine V2X Roadside Communication Terminal Product Portfolios and Specifications
13.6.3 Alps Alpine V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.6.4 Alps Alpine Main Business Overview
13.6.5 Alps Alpine Latest Developments
13.7 V2ROADS
13.7.1 V2ROADS Company Information

+357 96 030922
info@marketpublishers.com

13.7.2 V2ROADS V2X Roadside Communication Terminal Product Portfolios and Specifications
13.7.3 V2ROADS V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.7.4 V2ROADS Main Business Overview
13.7.5 V2ROADS Latest Developments
13.8 Neusoft
13.8.1 Neusoft Company Information
13.8.2 Neusoft V2X Roadside Communication Terminal Product Portfolios and Specifications
13.8.3 Neusoft V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.8.4 Neusoft Main Business Overview
13.8.5 Neusoft Latest Developments
13.9 Quectel
13.9.1 Quectel Company Information
13.9.2 Quectel V2X Roadside Communication Terminal Product Portfolios and Specifications
13.9.3 Quectel V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.9.4 Quectel Main Business Overview
13.9.5 Quectel Latest Developments
13.10 Lianyou Technology
13.10.1 Lianyou Technology Company Information
13.10.2 Lianyou Technology V2X Roadside Communication Terminal Product Portfolios and Specifications
13.10.3 Lianyou Technology V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.10.4 Lianyou Technology Main Business Overview
13.10.5 Lianyou Technology Latest Developments
13.11 Desay SV
13.11.1 Desay SV Company Information
13.11.2 Desay SV V2X Roadside Communication Terminal Product Portfolios and Specifications
13.11.3 Desay SV V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.11.4 Desay SV Main Business Overview
13.11.5 Desay SV Latest Developments
13.12 VanJee Technology

+357 96 030922
info@marketpublishers.com

13.12.1 VanJee Technology Company Information
13.12.2 VanJee Technology V2X Roadside Communication Terminal Product Portfolios and Specifications
13.12.3 VanJee Technology V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.12.4 VanJee Technology Main Business Overview
13.12.5 VanJee Technology Latest Developments
13.13 Genvict
13.13.1 Genvict Company Information
13.13.2 Genvict V2X Roadside Communication Terminal Product Portfolios and Specifications
13.13.3 Genvict V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.13.4 Genvict Main Business Overview
13.13.5 Genvict Latest Developments
13.14 SEG SMARTECHS
13.14.1 SEG SMARTECHS Company Information
13.14.2 SEG SMARTECHS V2X Roadside Communication Terminal Product Portfolios and Specifications
13.14.3 SEG SMARTECHS V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.14.4 SEG SMARTECHS Main Business Overview
13.14.5 SEG SMARTECHS Latest Developments
13.15 Gohigh Networks
13.15.1 Gohigh Networks Company Information
13.15.2 Gohigh Networks V2X Roadside Communication Terminal Product Portfolios and Specifications
13.15.3 Gohigh Networks V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.15.4 Gohigh Networks Main Business Overview
13.15.5 Gohigh Networks Latest Developments
13.16 Gosuncn Technology
13.16.1 Gosuncn Technology Company Information
13.16.2 Gosuncn Technology V2X Roadside Communication Terminal Product Portfolios and Specifications
13.16.3 Gosuncn Technology V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.16.4 Gosuncn Technology Main Business Overview
13.16.5 Gosuncn Technology Latest Developments

+357 96 030922
info@marketpublishers.com

13.17 Waytous
13.17.1 Waytous Company Information
13.17.2 Waytous V2X Roadside Communication Terminal Product Portfolios and Specifications
13.17.3 Waytous V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.17.4 Waytous Main Business Overview
13.17.5 Waytous Latest Developments
13.18 Nebula Link
13.18.1 Nebula Link Company Information
13.18.2 Nebula Link V2X Roadside Communication Terminal Product Portfolios and Specifications
13.18.3 Nebula Link V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.18.4 Nebula Link Main Business Overview
13.18.5 Nebula Link Latest Developments
13.19 CICT Connected and Intelligent Technologies
13.19.1 CICT Connected and Intelligent Technologies Company Information
13.19.2 CICT Connected and Intelligent Technologies V2X Roadside Communication Terminal Product Portfolios and Specifications
13.19.3 CICT Connected and Intelligent Technologies V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.19.4 CICT Connected and Intelligent Technologies Main Business Overview
13.19.5 CICT Connected and Intelligent Technologies Latest Developments
13.20 Hopelead Tech
13.20.1 Hopelead Tech Company Information
13.20.2 Hopelead Tech V2X Roadside Communication Terminal Product Portfolios and Specifications
13.20.3 Hopelead Tech V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.20.4 Hopelead Tech Main Business Overview
13.20.5 Hopelead Tech Latest Developments
13.21 Flaircomm Microelectronics
13.21.1 Flaircomm Microelectronics Company Information
13.21.2 Flaircomm Microelectronics V2X Roadside Communication Terminal Product Portfolios and Specifications
13.21.3 Flaircomm Microelectronics V2X Roadside Communication Terminal Sales, Revenue, Price and Gross Margin (2020-2025)
13.21.4 Flaircomm Microelectronics Main Business Overview

+357 96 030922
info@marketpublishers.com

13.21.5 Flaircomm Microelectronics Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. V2X Roadside Communication Terminal Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & ($ millions)
Table 2. V2X Roadside Communication Terminal Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & ($ millions)
Table 3. Major Players of 4G
Table 4. Major Players of 5G
Table 5. Global V2X Roadside Communication Terminal Sales by Type (2020-2025) & (K Units)
Table 6. Global V2X Roadside Communication Terminal Sales Market Share by Type (2020-2025)
Table 7. Global V2X Roadside Communication Terminal Revenue by Type (2020-2025) & ($ million)
Table 8. Global V2X Roadside Communication Terminal Revenue Market Share by Type (2020-2025)
Table 9. Global V2X Roadside Communication Terminal Sale Price by Type (2020-2025) & (US$/Unit)
Table 10. Global V2X Roadside Communication Terminal Sale by Application (2020-2025) & (K Units)
Table 11. Global V2X Roadside Communication Terminal Sale Market Share by Application (2020-2025)
Table 12. Global V2X Roadside Communication Terminal Revenue by Application (2020-2025) & ($ million)
Table 13. Global V2X Roadside Communication Terminal Revenue Market Share by Application (2020-2025)
Table 14. Global V2X Roadside Communication Terminal Sale Price by Application (2020-2025) & (US$/Unit)
Table 15. Global V2X Roadside Communication Terminal Sales by Company (2020-2025) & (K Units)
Table 16. Global V2X Roadside Communication Terminal Sales Market Share by Company (2020-2025)
Table 17. Global V2X Roadside Communication Terminal Revenue by Company (2020-2025) & ($ millions)
Table 18. Global V2X Roadside Communication Terminal Revenue Market Share by Company (2020-2025)
Table 19. Global V2X Roadside Communication Terminal Sale Price by Company

+357 96 030922
info@marketpublishers.com

(2020-2025) & (US$/Unit)
Table 20. Key Manufacturers V2X Roadside Communication Terminal Producing Area Distribution and Sales Area
Table 21. Players V2X Roadside Communication Terminal Products Offered
Table 22. V2X Roadside Communication Terminal Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)
Table 23. New Products and Potential Entrants
Table 24. Market M&A Activity & Strategy
Table 25. Global V2X Roadside Communication Terminal Sales by Geographic Region (2020-2025) & (K Units)
Table 26. Global V2X Roadside Communication Terminal Sales Market Share Geographic Region (2020-2025)
Table 27. Global V2X Roadside Communication Terminal Revenue by Geographic Region (2020-2025) & ($ millions)
Table 28. Global V2X Roadside Communication Terminal Revenue Market Share by Geographic Region (2020-2025)
Table 29. Global V2X Roadside Communication Terminal Sales by Country/Region (2020-2025) & (K Units)
Table 30. Global V2X Roadside Communication Terminal Sales Market Share by Country/Region (2020-2025)
Table 31. Global V2X Roadside Communication Terminal Revenue by Country/Region (2020-2025) & ($ millions)
Table 32. Global V2X Roadside Communication Terminal Revenue Market Share by Country/Region (2020-2025)
Table 33. Americas V2X Roadside Communication Terminal Sales by Country (2020-2025) & (K Units)
Table 34. Americas V2X Roadside Communication Terminal Sales Market Share by Country (2020-2025)
Table 35. Americas V2X Roadside Communication Terminal Revenue by Country (2020-2025) & ($ millions)
Table 36. Americas V2X Roadside Communication Terminal Sales by Type (2020-2025) & (K Units)
Table 37. Americas V2X Roadside Communication Terminal Sales by Application (2020-2025) & (K Units)
Table 38. APAC V2X Roadside Communication Terminal Sales by Region (2020-2025) & (K Units)
Table 39. APAC V2X Roadside Communication Terminal Sales Market Share by Region (2020-2025)
Table 40. APAC V2X Roadside Communication Terminal Revenue by Region

+357 96 030922
info@marketpublishers.com

(2020-2025) & ($ millions)
Table 41. APAC V2X Roadside Communication Terminal Sales by Type (2020-2025) & (K Units)
Table 42. APAC V2X Roadside Communication Terminal Sales by Application (2020-2025) & (K Units)
Table 43. Europe V2X Roadside Communication Terminal Sales by Country (2020-2025) & (K Units)
Table 44. Europe V2X Roadside Communication Terminal Revenue by Country (2020-2025) & ($ millions)
Table 45. Europe V2X Roadside Communication Terminal Sales by Type (2020-2025) & (K Units)
Table 46. Europe V2X Roadside Communication Terminal Sales by Application (2020-2025) & (K Units)
Table 47. Middle East & Africa V2X Roadside Communication Terminal Sales by Country (2020-2025) & (K Units)
Table 48. Middle East & Africa V2X Roadside Communication Terminal Revenue Market Share by Country (2020-2025)
Table 49. Middle East & Africa V2X Roadside Communication Terminal Sales by Type (2020-2025) & (K Units)
Table 50. Middle East & Africa V2X Roadside Communication Terminal Sales by Application (2020-2025) & (K Units)
Table 51. Key Market Drivers & Growth Opportunities of V2X Roadside Communication Terminal
Table 52. Key Market Challenges & Risks of V2X Roadside Communication Terminal
Table 53. Key Industry Trends of V2X Roadside Communication Terminal
Table 54. V2X Roadside Communication Terminal Raw Material
Table 55. Key Suppliers of Raw Materials
Table 56. V2X Roadside Communication Terminal Distributors List
Table 57. V2X Roadside Communication Terminal Customer List
Table 58. Global V2X Roadside Communication Terminal Sales Forecast by Region (2026-2031) & (K Units)
Table 59. Global V2X Roadside Communication Terminal Revenue Forecast by Region (2026-2031) & ($ millions)
Table 60. Americas V2X Roadside Communication Terminal Sales Forecast by Country (2026-2031) & (K Units)
Table 61. Americas V2X Roadside Communication Terminal Annual Revenue Forecast by Country (2026-2031) & ($ millions)
Table 62. APAC V2X Roadside Communication Terminal Sales Forecast by Region (2026-2031) & (K Units)

+357 96 030922
info@marketpublishers.com

Table 63. APAC V2X Roadside Communication Terminal Annual Revenue Forecast by Region (2026-2031) & ($ millions)
Table 64. Europe V2X Roadside Communication Terminal Sales Forecast by Country (2026-2031) & (K Units)
Table 65. Europe V2X Roadside Communication Terminal Revenue Forecast by Country (2026-2031) & ($ millions)
Table 66. Middle East & Africa V2X Roadside Communication Terminal Sales Forecast by Country (2026-2031) & (K Units)
Table 67. Middle East & Africa V2X Roadside Communication Terminal Revenue Forecast by Country (2026-2031) & ($ millions)
Table 68. Global V2X Roadside Communication Terminal Sales Forecast by Type (2026-2031) & (K Units)
Table 69. Global V2X Roadside Communication Terminal Revenue Forecast by Type (2026-2031) & ($ millions)
Table 70. Global V2X Roadside Communication Terminal Sales Forecast by Application (2026-2031) & (K Units)
Table 71. Global V2X Roadside Communication Terminal Revenue Forecast by Application (2026-2031) & ($ millions)
Table 72. Continent Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 73. Continent V2X Roadside Communication Terminal Product Portfolios and Specifications
Table 74. Continent V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 75. Continent Main Business
Table 76. Continent Latest Developments
Table 77. Q-Free Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 78. Q-Free V2X Roadside Communication Terminal Product Portfolios and Specifications
Table 79. Q-Free V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 80. Q-Free Main Business
Table 81. Q-Free Latest Developments
Table 82. Commsignia Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 83. Commsignia V2X Roadside Communication Terminal Product Portfolios and Specifications
Table 84. Commsignia V2X Roadside Communication Terminal Sales (K Units),

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Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 85. Commsignia Main Business
Table 86. Commsignia Latest Developments
Table 87. Danlaw Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 88. Danlaw V2X Roadside Communication Terminal Product Portfolios and Specifications
Table 89. Danlaw V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 90. Danlaw Main Business
Table 91. Danlaw Latest Developments
Table 92. Movyon Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 93. Movyon V2X Roadside Communication Terminal Product Portfolios and Specifications
Table 94. Movyon V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 95. Movyon Main Business
Table 96. Movyon Latest Developments
Table 97. Alps Alpine Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 98. Alps Alpine V2X Roadside Communication Terminal Product Portfolios and Specifications
Table 99. Alps Alpine V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 100. Alps Alpine Main Business
Table 101. Alps Alpine Latest Developments
Table 102. V2ROADS Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 103. V2ROADS V2X Roadside Communication Terminal Product Portfolios and Specifications
Table 104. V2ROADS V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 105. V2ROADS Main Business
Table 106. V2ROADS Latest Developments
Table 107. Neusoft Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 108. Neusoft V2X Roadside Communication Terminal Product Portfolios and Specifications

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Table 109. Neusoft V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 110. Neusoft Main Business
Table 111. Neusoft Latest Developments
Table 112. Quectel Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 113. Quectel V2X Roadside Communication Terminal Product Portfolios and Specifications
Table 114. Quectel V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 115. Quectel Main Business
Table 116. Quectel Latest Developments
Table 117. Lianyou Technology Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 118. Lianyou Technology V2X Roadside Communication Terminal Product Portfolios and Specifications
Table 119. Lianyou Technology V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 120. Lianyou Technology Main Business
Table 121. Lianyou Technology Latest Developments
Table 122. Desay SV Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 123. Desay SV V2X Roadside Communication Terminal Product Portfolios and Specifications
Table 124. Desay SV V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 125. Desay SV Main Business
Table 126. Desay SV Latest Developments
Table 127. VanJee Technology Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 128. VanJee Technology V2X Roadside Communication Terminal Product Portfolios and Specifications
Table 129. VanJee Technology V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 130. VanJee Technology Main Business
Table 131. VanJee Technology Latest Developments
Table 132. Genvict Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 133. Genvict V2X Roadside Communication Terminal Product Portfolios and

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Specifications
Table 134. Genvict V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 135. Genvict Main Business
Table 136. Genvict Latest Developments
Table 137. SEG SMARTECHS Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 138. SEG SMARTECHS V2X Roadside Communication Terminal Product Portfolios and Specifications
Table 139. SEG SMARTECHS V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 140. SEG SMARTECHS Main Business
Table 141. SEG SMARTECHS Latest Developments
Table 142. Gohigh Networks Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 143. Gohigh Networks V2X Roadside Communication Terminal Product Portfolios and Specifications
Table 144. Gohigh Networks V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 145. Gohigh Networks Main Business
Table 146. Gohigh Networks Latest Developments
Table 147. Gosuncn Technology Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 148. Gosuncn Technology V2X Roadside Communication Terminal Product Portfolios and Specifications
Table 149. Gosuncn Technology V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 150. Gosuncn Technology Main Business
Table 151. Gosuncn Technology Latest Developments
Table 152. Waytous Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 153. Waytous V2X Roadside Communication Terminal Product Portfolios and Specifications
Table 154. Waytous V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 155. Waytous Main Business
Table 156. Waytous Latest Developments
Table 157. Nebula Link Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors

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Table 158. Nebula Link V2X Roadside Communication Terminal Product Portfolios and Specifications
Table 159. Nebula Link V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 160. Nebula Link Main Business
Table 161. Nebula Link Latest Developments
Table 162. CICT Connected and Intelligent Technologies Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 163. CICT Connected and Intelligent Technologies V2X Roadside Communication Terminal Product Portfolios and Specifications
Table 164. CICT Connected and Intelligent Technologies V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 165. CICT Connected and Intelligent Technologies Main Business
Table 166. CICT Connected and Intelligent Technologies Latest Developments
Table 167. Hopelead Tech Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 168. Hopelead Tech V2X Roadside Communication Terminal Product Portfolios and Specifications
Table 169. Hopelead Tech V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 170. Hopelead Tech Main Business
Table 171. Hopelead Tech Latest Developments
Table 172. Flaircomm Microelectronics Basic Information, V2X Roadside Communication Terminal Manufacturing Base, Sales Area and Its Competitors
Table 173. Flaircomm Microelectronics V2X Roadside Communication Terminal Product Portfolios and Specifications
Table 174. Flaircomm Microelectronics V2X Roadside Communication Terminal Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 175. Flaircomm Microelectronics Main Business
Table 176. Flaircomm Microelectronics Latest Developments

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List Of Figures

LIST OF FIGURES

Figure 1. Picture of V2X Roadside Communication Terminal
Figure 2. V2X Roadside Communication Terminal Report Years Considered
Figure 3. Research Objectives
Figure 4. Research Methodology
Figure 5. Research Process and Data Source
Figure 6. Global V2X Roadside Communication Terminal Sales Growth Rate 2020-2031 (K Units)
Figure 7. Global V2X Roadside Communication Terminal Revenue Growth Rate 2020-2031 ($ millions)
Figure 8. V2X Roadside Communication Terminal Sales by Geographic Region (2020, 2024 & 2031) & ($ millions)
Figure 9. V2X Roadside Communication Terminal Sales Market Share by Country/Region (2024)
Figure 10. V2X Roadside Communication Terminal Sales Market Share by Country/Region (2020, 2024 & 2031)
Figure 11. Product Picture of 4G
Figure 12. Product Picture of 5G
Figure 13. Global V2X Roadside Communication Terminal Sales Market Share by Type in 2025
Figure 14. Global V2X Roadside Communication Terminal Revenue Market Share by Type (2020-2025)
Figure 15. V2X Roadside Communication Terminal Consumed in Commercial Vehicles
Figure 16. Global V2X Roadside Communication Terminal Market: Commercial Vehicles (2020-2025) & (K Units)
Figure 17. V2X Roadside Communication Terminal Consumed in Passenger Cars
Figure 18. Global V2X Roadside Communication Terminal Market: Passenger Cars (2020-2025) & (K Units)
Figure 19. Global V2X Roadside Communication Terminal Sale Market Share by Application (2024)
Figure 20. Global V2X Roadside Communication Terminal Revenue Market Share by Application in 2025
Figure 21. V2X Roadside Communication Terminal Sales by Company in 2025 (K Units)
Figure 22. Global V2X Roadside Communication Terminal Sales Market Share by Company in 2025
Figure 23. V2X Roadside Communication Terminal Revenue by Company in 2025 ($

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millions)
Figure 24. Global V2X Roadside Communication Terminal Revenue Market Share by Company in 2025
Figure 25. Global V2X Roadside Communication Terminal Sales Market Share by Geographic Region (2020-2025)
Figure 26. Global V2X Roadside Communication Terminal Revenue Market Share by Geographic Region in 2025
Figure 27. Americas V2X Roadside Communication Terminal Sales 2020-2025 (K Units)
Figure 28. Americas V2X Roadside Communication Terminal Revenue 2020-2025 ($ millions)
Figure 29. APAC V2X Roadside Communication Terminal Sales 2020-2025 (K Units)
Figure 30. APAC V2X Roadside Communication Terminal Revenue 2020-2025 ($ millions)
Figure 31. Europe V2X Roadside Communication Terminal Sales 2020-2025 (K Units)
Figure 32. Europe V2X Roadside Communication Terminal Revenue 2020-2025 ($ millions)
Figure 33. Middle East & Africa V2X Roadside Communication Terminal Sales 2020-2025 (K Units)
Figure 34. Middle East & Africa V2X Roadside Communication Terminal Revenue 2020-2025 ($ millions)
Figure 35. Americas V2X Roadside Communication Terminal Sales Market Share by Country in 2025
Figure 36. Americas V2X Roadside Communication Terminal Revenue Market Share by Country (2020-2025)
Figure 37. Americas V2X Roadside Communication Terminal Sales Market Share by Type (2020-2025)
Figure 38. Americas V2X Roadside Communication Terminal Sales Market Share by Application (2020-2025)
Figure 39. United States V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 40. Canada V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 41. Mexico V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 42. Brazil V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 43. APAC V2X Roadside Communication Terminal Sales Market Share by Region in 2025

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Figure 44. APAC V2X Roadside Communication Terminal Revenue Market Share by Region (2020-2025)
Figure 45. APAC V2X Roadside Communication Terminal Sales Market Share by Type (2020-2025)
Figure 46. APAC V2X Roadside Communication Terminal Sales Market Share by Application (2020-2025)
Figure 47. China V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 48. Japan V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 49. South Korea V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 50. Southeast Asia V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 51. India V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 52. Australia V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 53. China Taiwan V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 54. Europe V2X Roadside Communication Terminal Sales Market Share by Country in 2025
Figure 55. Europe V2X Roadside Communication Terminal Revenue Market Share by Country (2020-2025)
Figure 56. Europe V2X Roadside Communication Terminal Sales Market Share by Type (2020-2025)
Figure 57. Europe V2X Roadside Communication Terminal Sales Market Share by Application (2020-2025)
Figure 58. Germany V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 59. France V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 60. UK V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 61. Italy V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 62. Russia V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 63. Middle East & Africa V2X Roadside Communication Terminal Sales Market

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Share by Country (2020-2025)
Figure 64. Middle East & Africa V2X Roadside Communication Terminal Sales Market Share by Type (2020-2025)
Figure 65. Middle East & Africa V2X Roadside Communication Terminal Sales Market Share by Application (2020-2025)
Figure 66. Egypt V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 67. South Africa V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 68. Israel V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 69. Turkey V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 70. GCC Countries V2X Roadside Communication Terminal Revenue Growth 2020-2025 ($ millions)
Figure 71. Manufacturing Cost Structure Analysis of V2X Roadside Communication Terminal in 2025
Figure 72. Manufacturing Process Analysis of V2X Roadside Communication Terminal
Figure 73. Industry Chain Structure of V2X Roadside Communication Terminal
Figure 74. Channels of Distribution
Figure 75. Global V2X Roadside Communication Terminal Sales Market Forecast by Region (2026-2031)
Figure 76. Global V2X Roadside Communication Terminal Revenue Market Share Forecast by Region (2026-2031)
Figure 77. Global V2X Roadside Communication Terminal Sales Market Share Forecast by Type (2026-2031)
Figure 78. Global V2X Roadside Communication Terminal Revenue Market Share Forecast by Type (2026-2031)
Figure 79. Global V2X Roadside Communication Terminal Sales Market Share Forecast by Application (2026-2031)
Figure 80. Global V2X Roadside Communication Terminal Revenue Market Share Forecast by Application (2026-2031)

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