

Global Multi-mode Roadside Unit Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Multi-mode Roadside Unit market size was valued at US\$ 104 million in 2025 and is forecast to a readjusted size of US\$ 397 million by 2032 with a CAGR of 21.5% during review period.

Multi-mode Roadside Unit is a versatile intelligent roadside communication device designed to support multiple communication protocols and connectivity standards, enabling integrated interaction between vehicles, road infrastructure, and traffic management systems across diverse network environments. It facilitates real-time, low-latency data exchange by combining different communication modes to enhance system interoperability, network resilience, and coverage continuity under complex traffic conditions. Its strengths include flexible multi-protocol compatibility, robust data processing capability, high communication reliability, and strong adaptability to varied deployment scenarios, supporting multi-scenario traffic coordination and safety applications. In 2025, the capacity utilization rate was 80%, and the industry's average gross margin was approximately 25%. In 2025, production totaled 25,300 units, with an average price of USD 4,000 per unit. Upstream, key inputs include communication chips and RF antenna modules, with representative suppliers such as Qualcomm, NXP, Huawei, and ZTE. The midstream segment focuses on multi-protocol system integration, communication stack development, hardware assembly, and deployment optimization to ensure secure and stable system performance. Downstream applications are concentrated in highways and road traffic systems, with representative customers including China Communications Construction, China Railway Construction, and Kapsch TrafficCom.

This report is a detailed and comprehensive analysis for global Multi-mode Roadside

Unit market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Multi-mode Roadside Unit market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Multi-mode Roadside Unit market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Multi-mode Roadside Unit market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Multi-mode Roadside Unit market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Multi-mode Roadside Unit

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Multi-mode Roadside Unit market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Yunex Traffic (Germany), Danlaw Inc. (USA), Genvict Technologies (China), TransInfo Technology (China), Kapsch

TrafficCom (Austria), Keysight (USA), Iteris (USA), Huawei (China), Gosuncn Technology (China), Unex Technology (China), etc.

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

Market Segmentation

Multi-mode Roadside Unit market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

DSRC + C-V2X RSU

C-V2X PC5 + Uu RSU

Market segment by Technology

Multi-antenna

Single-antenna

Market segment by Power Supply

Power Grid

Solar Energy

Market segment by Application

Highway

Road Traffic

Major players covered

Yunex Traffic (Germany)

Danlaw Inc. (USA)

Genvict Technologies (China)

TransInfo Technology (China)

Kapsch TrafficCom (Austria)

Keysight (USA)

Iteris (USA)

Huawei (China)

Gosuncn Technology (China)

Unex Technology (China)

Harman (USA)

StarPoint (China)

ZTE (China)

NEC (Japan)

FUJITSU (Japan)

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Multi-mode Roadside Unit product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Multi-mode Roadside Unit, with price, sales quantity, revenue, and global market share of Multi-mode Roadside Unit from 2021 to 2026.

Chapter 3, the Multi-mode Roadside Unit competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Multi-mode Roadside Unit breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Multi-mode Roadside Unit market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Multi-mode Roadside Unit.

Chapter 14 and 15, to describe Multi-mode Roadside Unit sales channel, distributors, customers, research findings and conclusion.

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