

Global Roadside Edge Computing Box Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Roadside Edge Computing Box market size was valued at US\$ 286 million in 2024 and is forecast to a readjusted size of USD 482 million by 2031 with a CAGR of 7.8% during review period.

The roadside edge computing box is a device deployed on the roadside that integrates edge computing capabilities. It is also called a portable server. It can perform data processing and analysis near the data source, reducing the delay and bandwidth requirements of data transmission to the cloud. This kind of equipment usually has powerful computing power, storage capacity and network connection capabilities. It has real-time data response, safety monitoring and early warning system, optimized traffic flow management and other functions. It is widely used in autonomous driving, logistics and transportation, etc.

This report is a detailed and comprehensive analysis for global Roadside Edge Computing Box 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 Roadside Edge Computing Box market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031



Global Roadside Edge Computing Box market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Roadside Edge Computing Box market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Roadside Edge Computing Box market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

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

To assess the growth potential for Roadside Edge Computing Box

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 Roadside Edge Computing Box 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 Alibaba Cloud, NVIDIA, Lenovo, Huawei, Hikvision, Baidu, Wanji Technology, Transinfo Technology, ZTE, Zhejiang Dahua Technology, etc.

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

Market Segmentation

Roadside Edge Computing Box market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.



Market segment by Type Low Computing Power (Less Than 20Tops) Medium Computing Power (20-100Tops) High Computing Power (More Than 100Tops) Market segment by Application **Autonomous Driving Smart Logistics Smart Emergency** Surveying and Mapping Major players covered Alibaba Cloud **NVIDIA** Lenovo Huawei Hikvision Baidu Wanji Technology Transinfo Technology



ZTE

Zhejiang Dahua Technology

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

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

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

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

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

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

Chapter 1, to describe Roadside Edge Computing Box product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Roadside Edge Computing Box, with price, sales quantity, revenue, and global market share of Roadside Edge Computing Box from 2020 to 2025.

Chapter 3, the Roadside Edge Computing Box competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Roadside Edge Computing Box breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales



quantity, consumption value, and market share for key countries in the world, from 2020 to 2025.and Roadside Edge Computing Box market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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

Chapter 13, the key raw materials and key suppliers, and industry chain of Roadside Edge Computing Box.

Chapter 14 and 15, to describe Roadside Edge Computing Box sales channel, distributors, customers, research findings and conclusion.



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