

Global Roadside Edge Computing Unit Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G0093254CC21EN.html>

Date: June 2026

Pages: 109

Price: US\$ 3,480.00 (Single User License)

ID: G0093254CC21EN

Abstracts

According to our (Global Info Research) latest study, the global Roadside Edge Computing Unit market size was valued at US\$ 309 million in 2025 and is forecast to a readjusted size of US\$ 1480 million by 2032 with a CAGR of 25.4% during review period.

Roadside Edge Computing Unit is a distributed computing device deployed along transportation infrastructure to process, analyze, and respond to traffic data locally, enabling low-latency decision-making and real-time coordination between vehicles, road systems, and traffic management platforms. It integrates high-performance computing, communication, and data processing capabilities to support intelligent traffic applications such as vehicle-road collaboration, congestion management, and safety monitoring. Its advantages include reduced network latency, enhanced data processing efficiency, improved system responsiveness, and strong adaptability to complex traffic environments. In 2025, the capacity utilization rate was about 80%, and the average gross margin was approximately 30%. Production in 2025 was 115,385 units with an average price of 2600 USD per unit. The upstream primarily consists of high-performance SoC chips and 5G/C-V2X communication modules, with representative suppliers including Qualcomm, NVIDIA, Huawei, and ZTE. The midstream focuses on edge computing system integration, software-hardware coordination, algorithm deployment, and device optimization to ensure stable and efficient local processing capability. The downstream is mainly concentrated in highway and urban road traffic systems, with representative customers including China Communications Construction, China Railway Construction, Siemens, and Kapsch TrafficCom.

This report is a detailed and comprehensive analysis for global Roadside Edge

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

Global Roadside Edge Computing 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 Roadside Edge Computing 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 Roadside Edge Computing 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 Roadside Edge Computing 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 Roadside Edge Computing 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

Roadside Edge Computing 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

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Roadside Edge Computing Unit Consumption Value by Type:
2021 Versus 2025 Versus 2032

1.3.2

List Of Tables

LIST OF TABLES

Table 1. Global Roadside Edge Computing Unit Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Roadside Edge Computing Unit Consumption Value by CPU, (USD Million), 2021 & 2025 & 2032

Table 3. Global Roadside Edge Computing Unit Consumption Value by Interface, (USD Million), 2021 & 2025 & 2032

Table 4. Global Roadside Edge Computing Unit Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Yunex Traffic (Germany) Basic Information, Manufacturing Base and Competitors

Table 6. Yunex Traffic (Germany) Major Business

Table 7. Yunex Traffic (Germany) Roadside Edge Computing Unit Product and Services

Table 8. Yunex Traffic (Germany) Roadside Edge Computing Unit Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Yunex Traffic (Germany) Recent Developments/Updates

Table 10. Danlaw Inc. (USA) Basic Information, Manufacturing Base and Competitors

Table 11. Danlaw Inc. (USA) Major Business

Table 12. Danlaw Inc. (USA) Roadside Edge Computing Unit Product and Services

Table 13. Danlaw Inc. (USA) Roadside Edge Computing Unit Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. Danlaw Inc. (USA) Recent Developments/Updates

Table 15. Genvict Technologies (China) Basic Information, Manufacturing Base and Competitors

Table 16. Genvict Technologies (China) Major Business

Table 17. Genvict Technologies (China) Roadside Edge Computing Unit Product and Services

Table 18. Genvict Technologies (China) Roadside Edge Computing Unit Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. Genvict Technologies (China) Recent Developments/Updates

Table 20. TransInfo Technology (China) Basic Information, Manufacturing Base and Competitors

Table 21. TransInfo Technology (China) Major Business

Table 22. TransInfo Technology (China) Roadside Edge Computing Unit Product and Services

Table 23. TransInfo Technology (China) Roadside Edge Computing Unit Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. TransInfo Technology (China) Recent Developments/Updates

Table 25. Kapsch TrafficCom (Austria) Basic Information, Manufacturing Base and Competitors

Table 26. Kapsch TrafficCom (Austria) Major Business

Table 27. Kapsch TrafficCom (Austria) Roadside Edge Computing Unit Product and Services

Table 28. Kapsch TrafficCom (Austria) Roadside Edge Computing Unit Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. Kapsch TrafficCom (Austria) Recent Developments/Updates

Table 30. Keysight (USA) Basic Information, Manufacturing Base and Competitors

Table 31. Keysight (USA) Major Business

Table 32. Keysight (USA) Roadside Edge Computing Unit Product and Services

Table 33. Keysight (USA) Roadside Edge Computing Unit Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. Keysight (USA) Recent Developments/Updates

Table 35. Iteris (USA) Basic Information, Manufacturing Base and Competitors

Table 36. Iteris (USA) Major Business

Table 37. Iteris (USA) Roadside Edge Computing Unit Product and Services

Table 38. Iteris (USA) Roadside Edge Computing Unit Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. Iteris (USA) Recent Developments/Updates

Table 40. Huawei (China) Basic Information, Manufacturing Base and Competitors

Table 41. Huawei (China) Major Business

Table 42. Huawei (China) Roadside Edge Computing Unit Product and Services

Table 43. Huawei (China) Roadside Edge Computing Unit Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 44. Huawei (China) Recent Developments/Updates

Table 45. Gosuncn Technology (China) Basic Information, Manufacturing Base and Competitors

Table 46. Gosuncn Technology (China) Major Business

Table 47. Gosuncn Technology (China) Roadside Edge Computing Unit Product and Services

Table 48. Gosuncn Technology (China) Roadside Edge Computing Unit Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 49. Gosuncn Technology (China) Recent Developments/Updates

Table 50. Unex Technology (China) Basic Information, Manufacturing Base and Competitors

Table 51. Unex Technology (China) Major Business

Table 52. Unex Technology (China) Roadside Edge Computing Unit Product and Services

Table 53. Unex Technology (China) Roadside Edge Computing Unit Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 54. Unex Technology (China) Recent Developments/Updates

Table 55. Harman (USA) Basic Information, Manufacturing Base and Competitors

Table 56. Harman (USA) Major Business

Table 57. Harman (USA) Roadside Edge Computing Unit Product and Services

Table 58. Harman (USA) Roadside Edge Computing Unit Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 59. Harman (USA) Recent Developments/Updates

Table 60. StarPoint (China) Basic Information, Manufacturing Base and Competitors

Table 61. StarPoint (China) Major Business

Table 62. StarPoint (China) Roadside Edge Computing Unit Product and Services

Table 63. StarPoint (China) Roadside Edge Computing Unit Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 64. StarPoint (China) Recent Developments/Updates

Table 65. ZTE (China) Basic Information, Manufacturing Base and Competitors

Table 66. ZTE (China) Major Business

Table 67. ZTE (China) Roadside Edge Computing Unit Product and Services

Table 68. ZTE (China) Roadside Edge Computing Unit Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 69. ZTE (China) Recent Developments/Updates

Table 70. NEC (Japan) Basic Information, Manufacturing Base and Competitors

Table 71. NEC (Japan) Major Business

Table 72. NEC (Japan) Roadside Edge Computing Unit Product and Services

Table 73. NEC (Japan) Roadside Edge Computing Unit Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 74. NEC (Japan) Recent Developments/Updates

Table 75. FUJITSU (Japan) Basic Information, Manufacturing Base and Competitors

Table 76. FUJITSU (Japan) Major Business

Table 77. FUJITSU (Japan) Roadside Edge Computing Unit Product and Services

Table 78. FUJITSU (Japan) Roadside Edge Computing Unit Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. FUJITSU (Japan) Recent Developments/Updates

Table 80. Global Roadside Edge Computing Unit Sales Quantity by Manufacturer (2021-2026) & (K Units)

Table 81. Global Roadside Edge Computing Unit Revenue by Manufacturer (2021-2026) & (USD Million)

Table 82. Global Roadside Edge Computing Unit Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 83. Market Position of Manufacturers in Roadside Edge Computing Unit, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 84. Head Office and Roadside Edge Computing Unit Production Site of Key Manufacturer

Table 85. Roadside Edge Computing Unit Market: Company Product Type Footprint

Table 86. Roadside Edge Computing Unit Market: Company Product Application Footprint

Table 87. Roadside Edge Computing Unit New Market Entrants and Barriers to Market Entry

Table 88. Roadside Edge Computing Unit Mergers, Acquisition, Agreements, and Collaborations

Table 89. Global Roadside Edge Computing Unit Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 90. Global Roadside Edge Computing Unit Sales Quantity by Region (2021-2026) & (K Units)

Table 91. Global Roadside Edge Computing Unit Sales Quantity by Region (2027-2032) & (K Units)

Table 92. Global Roadside Edge Computing Unit Consumption Value by Region (2021-2026) & (USD Million)

Table 93. Global Roadside Edge Computing Unit Consumption Value by Region (2027-2032) & (USD Million)

Table 94. Global Roadside Edge Computing Unit Average Price by Region (2021-2026)

& (US\$/Unit)

Table 95. Global Roadside Edge Computing Unit Average Price by Region (2027-2032)

& (US\$/Unit)

Table 96. Global Roadside Edge Computing Unit Sales Quantity by Type (2021-2026) & (K Units)

Table 97. Global Roadside Edge Computing Unit Sales Quantity by Type (2027-2032) & (K Units)

Table 98. Global Roadside Edge Computing Unit Consumption Value by Type (2021-2026) & (USD Million)

Table 99. Global Roadside Edge Computing Unit Consumption Value by Type (2027-2032) & (USD Million)

Table 100. Global Roadside Edge Computing Unit Average Price by Type (2021-2026) & (US\$/Unit)

Table 101. Global Roadside Edge Computing Unit Average Price by Type (2027-2032) & (US\$/Unit)

Table 102. Global Roadside Edge Computing Unit Sales Quantity by Application (2021-2026) & (K Units)

Table 103. Global Roadside Edge Computing Unit Sales Quantity by Application (2027-2032) & (K Units)

Table 104. Global Roadside Edge Computing Unit Consumption Value by Application (2021-2026) & (USD Million)

Table 105. Global Roadside Edge Computing Unit Consumption Value by Application (2027-2032) & (USD Million)

Table 106. Global Roadside Edge Computing Unit Average Price by Application (2021-2026) & (US\$/Unit)

Table 107. Global Roadside Edge Computing Unit Average Price by Application (2027-2032) & (US\$/Unit)

Table 108. North America Roadside Edge Computing Unit Sales Quantity by Type (2021-2026) & (K Units)

Table 109. North America Roadside Edge Computing Unit Sales Quantity by Type (2027-2032) & (K Units)

Table 110. North America Roadside Edge Computing Unit Sales Quantity by Application (2021-2026) & (K Units)

Table 111. North America Roadside Edge Computing Unit Sales Quantity by Application (2027-2032) & (K Units)

Table 112. North America Roadside Edge Computing Unit Sales Quantity by Country (2021-2026) & (K Units)

Table 113. North America Roadside Edge Computing Unit Sales Quantity by Country (2027-2032) & (K Units)

Table 114. North America Roadside Edge Computing Unit Consumption Value by Country (2021-2026) & (USD Million)

Table 115. North America Roadside Edge Computing Unit Consumption Value by Country (2027-2032) & (USD Million)

Table 116. Europe Roadside Edge Computing Unit Sales Quantity by Type (2021-2026) & (K Units)

Table 117. Europe Roadside Edge Computing Unit Sales Quantity by Type (2027-2032) & (K Units)

Table 118. Europe Roadside Edge Computing Unit Sales Quantity by Application (2021-2026) & (K Units)

Table 119. Europe Roadside Edge Computing Unit Sales Quantity by Application (2027-2032) & (K Units)

Table 120. Europe Roadside Edge Computing Unit Sales Quantity by Country (2021-2026) & (K Units)

Table 121. Europe Roadside Edge Computing Unit Sales Quantity by Country (2027-2032) & (K Units)

Table 122. Europe Roadside Edge Computing Unit Consumption Value by Country (2021-2026) & (USD Million)

Table 123. Europe Roadside Edge Computing Unit Consumption Value by Country (2027-2032) & (USD Million)

Table 124. Asia-Pacific Roadside Edge Computing Unit Sales Quantity by Type (2021-2026) & (K Units)

Table 125. Asia-Pacific Roadside Edge Computing Unit Sales Quantity by Type (2027-2032) & (K Units)

Table 126. Asia-Pacific Roadside Edge Computing Unit Sales Quantity by Application (2021-2026) & (K Units)

Table 127. Asia-Pacific Roadside Edge Computing Unit Sales Quantity by Application (2027-2032) & (K Units)

Table 128. Asia-Pacific Roadside Edge Computing Unit Sales Quantity by Region (2021-2026) & (K Units)

Table 129. Asia-Pacific Roadside Edge Computing Unit Sales Quantity by Region (2027-2032) & (K Units)

Table 130. Asia-Pacific Roadside Edge Computing Unit Consumption Value by Region (2021-2026) & (USD Million)

Table 131. Asia-Pacific Roadside Edge Computing Unit Consumption Value by Region (2027-2032) & (USD Million)

Table 132. South America Roadside Edge Computing Unit Sales Quantity by Type (2021-2026) & (K Units)

Table 133. South America Roadside Edge Computing Unit Sales Quantity by Type

(2027-2032) & (K Units)

Table 134. South America Roadside Edge Computing Unit Sales Quantity by Application (2021-2026) & (K Units)

Table 135. South America Roadside Edge Computing Unit Sales Quantity by Application (2027-2032) & (K Units)

Table 136. South America Roadside Edge Computing Unit Sales Quantity by Country (2021-2026) & (K Units)

Table 137. South America Roadside Edge Computing Unit Sales Quantity by Country (2027-2032) & (K Units)

Table 138. South America Roadside Edge Computing Unit Consumption Value by Country (2021-2026) & (USD Million)

Table 139. South America Roadside Edge Computing Unit Consumption Value by Country (2027-2032) & (USD Million)

Table 140. Middle East & Africa Roadside Edge Computing Unit Sales Quantity by Type (2021-2026) & (K Units)

Table 141. Middle East & Africa Roadside Edge Computing Unit Sales Quantity by Type (2027-2032) & (K Units)

Table 142. Middle East & Africa Roadside Edge Computing Unit Sales Quantity by Application (2021-2026) & (K Units)

Table 143. Middle East & Africa Roadside Edge Computing Unit Sales Quantity by Application (2027-2032) & (K Units)

Table 144. Middle East & Africa Roadside Edge Computing Unit Sales Quantity by Country (2021-2026) & (K Units)

Table 145. Middle East & Africa Roadside Edge Computing Unit Sales Quantity by Country (2027-2032) & (K Units)

Table 146. Middle East & Africa Roadside Edge Computing Unit Consumption Value by Country (2021-2026) & (USD Million)

Table 147. Middle East & Africa Roadside Edge Computing Unit Consumption Value by Country (2027-2032) & (USD Million)

Table 148. Roadside Edge Computing Unit Raw Material

Table 149. Key Manufacturers of Roadside Edge Computing Unit Raw Materials

Table 150. Roadside Edge Computing Unit Typical Distributors

Table 151. Roadside Edge Computing Unit Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Roadside Edge Computing Unit Picture

Figure 2. Global Roadside Edge Computing Unit Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Roadside Edge Computing Unit Revenue Market Share by Type in 2025

Figure 4.

I would like to order

Product name: Global Roadside Edge Computing Unit Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/G0093254CC21EN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G0093254CC21EN.html>