

AI in Edge Computing Market - 2026-2035

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Abstracts

AI in Edge Computing Market reached US\$ 24.90 Billion in 2025 and is expected to reach US\$ 177.46 billion by 2035, growing with a CAGR of 21.70% during the forecast period 2026-2035.

The AI in Edge Computing Market emerges as a key focus in DataM Intelligence latest in-depth analysis, where seasoned researchers harness advanced data analytics and strategic foresight to deliver unparalleled market intelligence. This insightful report meticulously explores the competitive landscape, profiling key players and their forward-thinking innovations in product development, pricing strategies, financial metrics, and global expansion initiatives. By uncovering the driving forces, market dynamics, and disruptive trends shaping the future, this research equips industry stakeholders with the actionable insights needed to make informed decisions in an increasingly dynamic and competitive environment.

A AI in Edge Computing Market is a data-driven software solution that collects, integrates, analyzes, and visualizes customer data across various touchpoints to generate actionable insights. These platforms help businesses understand customer behaviors, preferences, and purchasing patterns in real time, enabling personalized marketing, enhanced customer engagement, and data-driven decision-making.

By Solution

Hardware

Edge AI Chipsets and Accelerators

CPU

GPU

FPGA

ASIC

NPU and TPU

Edge AI Modules and Embedded Boards

Edge AI Gateways and Industrial Computers

Edge AI Servers and Appliances

Edge AI Cameras and Vision Devices

Software

Edge AI Frameworks and SDKs

Model Optimization and Compression Tools

Edge AI Runtime and Inference Engines

Edge Orchestration and Device Management Platforms

Edge Analytics and Computer Vision Software

Professional and Managed Services

Consulting and Design

Deployment and Integration Services

Managed Edge AI Operations

Edge Security and Lifecycle Management

By Edge Location

Device and Endpoint Edge

Gateway and On Prem Edge

Enterprise Edge and On Prem Data Center

Telco Edge and MEC (Multi Access Edge Computing)

By Deployment Mode

On Premises

Cloud Based

Hybrid

By Channel Route

Direct Enterprise Sales

Cloud Marketplace

OEM and Embedded Design Wins

System Integrators and Managed Service Providers

Value Added Resellers and Distributors

By Organization Size

Large Enterprises

Small and Medium Enterprises

By Application

Vision and Perception

Computer Vision

Video Analytics

Surveillance

Quality Inspection

Industrial and Operational Intelligence

Predictive and Condition Based Maintenance

Anomaly Detection

Real-time Recommendations (Operational)

Autonomy and Interaction

Autonomous Systems and ADAS (Advanced Driver Assistance System)

Speech and NLP (Natural Language Processing)

AR and VR (Augmented Reality and Virtual Reality) Experiences

Others

By End Use

Manufacturing and Industrial

Automotive and Mobility

Healthcare and Medical Devices

Retail and QSR (Quick Service Restaurant)

Telecom and Service Providers

Energy and Utilities

Smart Cities and Public Safety

Logistics and Warehousing

Consumer Electronics and Wearables

Regional Analysis for AI in Edge Computing Market:

North America (U.S., Canada, Mexico)

Europe (U.K., Italy, Germany, Russia, France, Spain, The Netherlands and Rest of Europe)

Asia-Pacific (India, Japan, China, South Korea, Australia, Indonesia Rest of Asia Pacific)

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

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of Middle East & Africa)

This Report Covers:

Go-to-market Strategy.

Neutral perspective on the market performance.

Development trends, competitive landscape analysis, supply side analysis, demand side analysis, year-on-year growth, competitive benchmarking, vendor identification, and other significant analysis, as well as development status.

Customized regional/country reports as per request and country level analysis.

Potential & niche segments and regions exhibiting promising growth covered.

Analysis of Market Size (historical and forecast), Total Addressable Market (TAM), Serviceable Available Market (SAM), Serviceable Obtainable Market (SOM), Market Growth, Technological Trends, Market Share, Market Dynamics, Competitive Landscape and Major Players (Innovators, Start-ups, Laggard, and Pioneer).

Research Process:

Both primary and secondary data sources have been used in the global AI in Edge Computing Market research report. During the research process, a wide range of industry-affecting factors are examined, including governmental regulations, market conditions, competitive levels, historical data, market situation, technological advancements, upcoming developments, in related businesses, as well as market volatility, prospects, potential barriers, and challenges.

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