

Global Edge AI Patent Intelligence 2026 – Strategic Analysis of Patent Landscape, Innovation Trends, Intellectual Property, Technology Domains, and Future Outlook

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Abstracts

The Global Edge AI Patent Intelligence report provides an in-depth analysis of the intellectual property landscape within the global edge AI industry by evaluating patent filing activities, technology innovation trends, patent ownership, research activities, and emerging innovation domains. The report enables organizations to monitor technology leadership, assess competitive intellectual property positions, identify licensing opportunities, and support strategic decisions related to research, product development, and technology commercialization.

The study examines global patent portfolios across edge AI inference accelerators, neuromorphic processors and spiking neural networks, heterogeneous SoC architectures, model compression and quantization technologies, federated learning frameworks, real-time sensor data processing, and next-generation edge AI hardware platforms. It also analyzes patent filing trends, leading patent holders, technology domains, citation analysis, geographic distribution, and emerging innovators to provide actionable intelligence on the evolving edge AI innovation ecosystem.

The report further highlights patent commercialization opportunities, licensing activities, research collaborations, and future technology directions to help organizations strengthen innovation strategies and intellectual property portfolios.

Key Coverage

Edge AI patent landscape

Patent filing trends

Technology domain analysis

Leading patent holders

Patent portfolio benchmarking

Geographic patent distribution

Citation analysis

Licensing landscape

White-space opportunities

Future patent outlook

Target Audience

Chief Intellectual Property Officers (CIPOs)

Intellectual Property & Patent Teams

Research & Development (R&D) Teams

Edge AI Technology Developers

Innovation Management Teams

Technology Scouting Teams

Product Development Teams

Semiconductor Manufacturers

Automotive OEMs

Industrial Automation Companies

Universities & Research Institutions

Government & Research Organizations

Technology Transfer Offices

Investment & Venture Capital Firms

Legal & Licensing Professionals

What This Report Offers

Comprehensive edge AI patent landscape assessment

Patent filing and publication trend analysis

Patent portfolio benchmarking

Leading patent holder and assignee analysis

Edge AI technology domain analysis

Geographic patent distribution assessment

Patent citation and quality analysis

Inventor and innovation activity assessment

Licensing and patent commercialization insights

Freedom-to-operate intelligence

Emerging innovation and white-space opportunity identification

Future intellectual property and technology outlook

Key Companies Covered (Illustrative)

Samsung Electronics Co., Ltd.

Qualcomm Incorporated

Intel Corporation

Google LLC

Huawei Technologies Co., Ltd.

DeepX Co., Ltd.

ARM Ltd.

Siemens AG

BrainChip Inc.

Tyco Fire & Security GmbH

Tata Consultancy Services Limited

Rain Neuromorphics Inc.

MediaTek Inc.

NXP Semiconductors

And other leading patent holders and industry participants.

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- 12.13 MediaTek Inc.
- 12.14 NXP Semiconductors
- 12.15 NVIDIA Corporation
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- 12.17 Amazon Web Services
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