Mobile Artificial Intelligence (AI) Market Set to Surge by 2030: Key Trends and Growth Drivers Unveiled

Mobile Artificial Intelligence (AI) Market Expected to Reach $84.80 Billion by 2030

WILMINGTON, DE, UNITED STATES, November 5, 2024 /EINPresswire.com/ -- Allied Market Research, titled, "Mobile Artificial Intelligence (AI) Market by Technology Node, Component, and Application: Global Opportunity Analysis and Industry Forecast, 2021–2030", the global mobile artificial intelligence (AI) industry size was valued at $8.56 billion in 2020, and is projected to

Global **MOBILE ARTIFICIAL INTELLIGENCE (AI)** Market
OPPORTUNITIES AND FORECAST, 2021-2030

2021 2022 2023 2024 2025 2026 2027 2028 2029 2030

Global Mobile Artificial Intelligence (AI) Market is expected to reach **$84.80 billion** by 2030

Growing at a **CAGR of 26.44%** (2021-2030)

Mobile Artificial Intelligence (AI) Market Trends

reach $84.80 billion by 2030, registering a CAGR of 26.44%. The North American region is expected to be the leading contributor to the global market, followed by Asia-Pacific and Europe.

> "
> The mobile AI market growth is driven by high demand for AI in smartphones, AI-capable processors, and rising investments in AI technologies."
>
> *Allied Market Research*

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The emergence of edge-AI technology allows moving many of the backend profiling AI capabilities to the phone itself. Smartphones with an AI combo, are one of the biggest trends in the market today. AI has several uses on a handheld device, though the benefits are limited initially. Several mobile manufacturing companies are competing to develop AI features for smartphones according to the needs of the users. For instance, Apple, Samsung, and Huawei have introduced smartphones with powerful AI chips that can perform up to 5 trillion operations per second and use significantly less power to accomplish tasks. With AI, these phones provide features from Face ID

to augmented reality.

Artificial Intelligence (AI) forms a key part of the engine behind the continued advancement of extended reality (XR). The AI technology gives mobile devices the ability to process and understand the 3D world, providing the platform for more engaging XR services. Also, with enhanced visual detection capability, an AI-powered camera enables smartphones to offer more enriching photography experiences, empowering users to capture their vision. In addition, AI technology is even used to improve photo quality, with an AI recognition of depth that enables digital image postproduction editing of blur and sharpness. As the smartphone market shifts from selling technology products to delivering compelling and personalized experiences, AI solutions running on smartphones will become an essential part of vendor roadmaps over the next two years.

The prominent factors that impact the mobile artificial intelligence (AI) market growth are the High demand for Artificial Intelligence in smartphones, growing demand for AI-capable processors, and rising investment in Artificial Intelligence (AI) technologies. However, High pricing of artificial processors restricts the market growth. On the contrary, the emergence of edge computing is expected to create lucrative opportunities for the market. Therefore, these factors are expected to affect mobile artificial intelligence (AI) market growth during the forecast period.

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The Mobile Artificial Intelligence (AI) industry's key market players adopt various strategies such as product launch, product development, collaboration, partnership, and agreements to influence the market. It includes details about the key players in the market's strengths, product portfolio, market size and share analysis, operational results, and market positioning.

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INTEL CORPORATION
Samsung Electronics
Qualcomm Technologies, Inc.
MICROSOFT CORPORATION
MEDIATEK, INC.
Huawei Technologies Co., Ltd. (Huawei)
Apple Inc.
International Business Machines Corporation (IBM)
NVIDIA CORPORATION.

Google LLC (Alphabet Inc.)

The global [mobile artificial intelligence (AI) market share](#) is segmented based on technology node, component, application, and region. By technology node, the market is classified into 20–28nm, 10nm, 7nm, and others. By component, it is divided into hardware, software, and services. Based on hardware, the market is sub-segmented into processor, memory, sensor, and others. Depending on the application, it is separated into smartphones, cameras, drones, automotive, robotics, AR/VR, and others.

Region-wise, the mobile artificial intelligence (AI) market trends are analyzed across North America (U.S., Canada, and Mexico), Europe (Germany, UK, France, Italy, and Rest of Europe), Asia-Pacific (China, Japan, India, South Korea, Taiwan, and Rest of Asia-Pacific), and LAMEA (Latin America, the Middle East, and Africa). North America region is projected to have the most significant increase in demand, as it provides a suitable environment for startups and SMEs, in terms of government regulations and compliance. The overall mobile artificial intelligence (AI) market analysis is determined to understand the profitable trends to gain a stronger foothold

The COVID-19 outbreak has positively as well as negatively affected major businesses worldwide by disrupting production cycles and supply chains across industries. The smartphone industry has faced some challenges in eradicating the pandemic, as the number of infections shows no signs of subsiding. Half of the world is currently facing a second wave of the pandemic.

The slowdown in production by OEMs and the reduction in demand for mobile devices and other electronic devices has slightly pulled down the market for mobile artificial intelligence (AI). However, as vaccines roll out across the globe and the pandemic situation is better controlled, especially in North America and Europe. This would boost the recovery of growth for the [mobile artificial intelligence (AI) market revenue](#).

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- In 2020, the 20–28nm segment accounted for the maximum revenue and is projected to grow at a notable CAGR of 30.81% during the forecast period.
- The smartphone segment accounted for more than 35% of the global market share in 2020.
- The robotics segment witnessed the highest growth rate during the forecast period.
- The UK was the major shareholder in the European mobile artificial intelligence (AI) market revenue, accounting for approximately 26% share in 2020.

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