

Artificial Intelligence Processor Market - Forecasts from 2019 to 2024

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Abstracts

The artificial intelligence processor market was valued at US\$7.445 billion in 2018 and is anticipated to grow at a CAGR of 20.44% to reach US\$22.724 billion by 2024. Artificial intelligence processors are specialized chips incorporating AI technology and machine learning in order to make smart mobile devices. These chips are capable of handling specific tasks and are more efficient than a normal CPU. The demand for these processors is increasing on account of the growing popularity of artificial intelligence and the trend towards big data analytics. In addition, rising research and development investment by vendors and the emergence of start-ups in the field so as to introduce new processors in the market with faster computing capability will further boost the demand for these processors. Geographically, North America and Europe held a significant market share on account of high research expenditure and early adoption of technology. The Asia Pacific region will grow at an impressive rate owing to the favourable government policies for AI development and high adoption of smartphones over the forecast period.

The Artificial Intelligence Processor Market – Forecasts from 2019 to 2024 is an exhaustive study which aims to present the key market trends through various chapters focusing on different aspects of the market. The study provides a detailed market overview through the market dynamics sections which detail key market, drivers, restraints, and opportunities in the current market. The report analyzes key opportunity regional markets, and the current technology penetration through lifecycle analysis. The report also analyzes the market through comprehensive market segmentation by component, by chip component, by application, by technology, by end user industry and by geography.

The artificial intelligence processor market has been segmented based on component,

chip Component, application, technology, end user industry, and geography. On the basis of component, the market has been segmented into hardware and software. On the basis of chip component, the market is categorized into GPU, ASIC, CPU, and FPGA. On the basis of application, the market is categorized into machine learning, natural language processing, robotic process automation, speech recognition, and others. Based on technology, the market is segregated into system-in-package, multi-chip module, and system-on-chip. Based on end user industry, the market is categorized into media and entertainment, BFSI, communication and technology, automotive, healthcare, and others.

Regional analysis has been provided with detailed analysis and forecast for the period 2018 to 2024. The global market has been broken down into North America, South America, Europe, Middle East and Africa (MEA), and the Asia Pacific regions. The report also analyzes 16 major countries across these regions with thorough analysis and forecast along with prevailing market trends and opportunities which each of these countries present for the manufacturers.

Major players in the artificial intelligence processor market have been covered along with their relative competitive position and strategies. The report also mentions recent deals and investments of different market players over the last year. The company profiles section details the business overview, financial performance for the past three years, key products and services being offered along with the recent developments of these important players in the artificial intelligence processor market.

Segmentation:

By Component

Hardware

Software

By Chip Component

GPU

ASIC

CPU

FPGA

By Application

Machine Learning

Natural Language Processing

Robotic Process Automation

Speech Recognition

Others

By Technology

System-In-Package

Multi-Chip Module

System-On-Chip

By End User Industry

Media and Entertainment

BFSI

Communication and Technology

Automotive

Healthcare

Others

By Geography

North America

USA

Canada

Mexico

South America

Brazil

Argentina

Others

Europe

Germany

France

United Kingdom

Spain

Others

Middle East and Africa

Saudi Arabia

Israel

UAE

Others

Asia Pacific

China

Japan

South Korea

India

Others

'The report will be delivered in 3 working days.'

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