

Algorithmic Trading Market By Component (Solution, Services) , By Deployment Mode (On-premises, Cloud) By Type (Stock Markets, FOREX, ETF, Bonds, Cryptocurrencies, Others) By Type of Trader (Institutional Investors, Long-term Traders, Short-term Traders, Retail Investors) : Global Opportunity Analysis and Industry Forecast, 2024-2032

Market Report | 2024-09-01 | 200 pages | Allied Market Research

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Report description:

Algorithmic Trading Market

The algorithmic trading market was valued at \$17.0 billion in 2023 and is projected to reach \$65.2 billion by 2032, growing at a CAGR of 15.9% from 2024 to 2032.

Algorithmic trading is the process of executing financial trades using automation via computer programs. These programs follow a pre-defined set of rules based on certain conditions such as quantity, price, mathematical models, and timing to make trading-related decisions. The process is also known by names-black-box trading or algo-trading-and aims to improve trading efficiency, increase profits, and reduce transaction costs.

Advancements in technology have significantly driven the growth of the algorithmic trading market. The advent of rapid communication networks has enabled the execution of trades at an incredibly high speed. This is a significant requirement of the dynamic market where prices fluctuate instantly. Moreover, the deployment of application program interfaces (APIs) is a notable trend acquiring popularity in the market as it enables seamless accomplishment of trading procedures. API serves as a middleman in algorithmic trading, allowing the connection of algorithms to desired platform, automated data retrieval, and steady order execution.

However, high possibility of technical glitches in the automated trading process is a major constraint for the market development. On March 18, 2024, Nasdaq, the American stock exchange, underwent a technical glitch that disrupted the trading process for more than two hours. Previously, the firm witnessed a system error in December 2023 that heavily affected thousands of stock

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orders. Contrarily, surge in integration of AI in algorithmic trading is boosting the trend of data-driven investments and presenting novel prospects for market expansion. The capabilities of AI offer the agility to adapt to frequently changing market conditions without human intervention by analyzing past data and predicting future tendencies.[]

Segment Review[]

The algorithmic trading market is segmented into component, deployment mode, type, type of trader, and region. On the basis of component, the market is bifurcated into solution and services. Depending on deployment mode, it is divided into on-premises, cloud. As per type, it is classified into stock markets, FOREX, ETF, bonds, cryptocurrencies, and others. According to type of trader, it is categorized into institutional investors, long-term traders, short-term traders, and retail investors. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.[]

Key Findings[]

On the basis of component, the solution segment dominated the market in 2023.[][]

Depending on deployment mode, the cloud segment was the highest shareholder in 2023.[][]

As per type, the stock markets segment accounted for a high share of the market in 2023.[][]

According to type of trader, the institutional investors segment acquired a high stake in the market in 2023.[][]

Region wise, North America was the highest revenue generator in 2023.[]

Competition Analysis[]

The leading players operating in the global algorithmic trading market include Software AG, Metaquotes Software Corp., Argo SE, Tata Consultancy Services (TCS), Symphony Fintech Solutions Pvt. Ltd., 63moons, Algo Trader AG, Virtu Financial, Tethys, and Refinitiv Ltd. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to strengthen their foothold in the competitive market.[]

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- Additional country or region analysis- market size and forecast
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 - Australia
 - South Korea
 - Rest of Asia-Pacific
 - LAMEA
 - Latin America
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- Tata Consultancy Services (TCS)
- Symphony Fintech Solutions Pvt Ltd.
- 63moons
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