

Apple Inc. (AAPL)

1-Year Price Analysis

Generated: 2026-02-08

Section 1 — Selection & Data Collection

Selection: Apple Inc. (AAPL) — large-cap U.S. equity chosen for its liquidity and representative exposure to consumer technology.

Rationale: chosen for liquidity, availability of a full year of daily data, and relevance to sector-level analysis (devices, services, and semiconductors).

Source: Yahoo Finance — historical price table was saved to `yahoo_history_raw.txt` and parsed locally into Open/High/Low/Close/Adj Close/Volume.

Rows parsed: 249. Date range: 2025-02-07 to 2026-02-06.

Notes: Dividend/split marker rows (if present in the raw table) were ignored for numerical close-series calculations; volumes are raw shares traded.

Section 2 — Major Events & Drivers

Corporate: Quarterly earnings releases (beat/miss vs. expectations) and forward guidance often drive intra-day and multi-day moves. Share buybacks, dividend changes, and major product announcements (new iPhone, Mac, or AI features) are also primary corporate catalysts.

Industry: Component shortages or improvements (chips, display panels), competitor product launches, and distribution disruptions in key markets (e.g., Greater China) materially affect demand/supply expectations.

Economic: U.S. interest rate moves, inflation trends, and consumer spending dictate discount rates and demand forecasts; FX and trade policy affect revenue translation and supply chains.

Sentiment & Events: Regulatory actions, high-profile litigation, or macro shocks (e.g., recession risk, banking stress) can trigger volatility spikes and regime shifts.

How they impact price: Positive surprises to growth or margins tend to push price higher; negative earnings or guidance, macro tightening, or supply constraints typically pressure the stock. Volume spikes often accompany these events.

Section 3 — Data Analysis

Last close: 278.12

Mean: 234.77 Median: 232.78 Std: 27.84

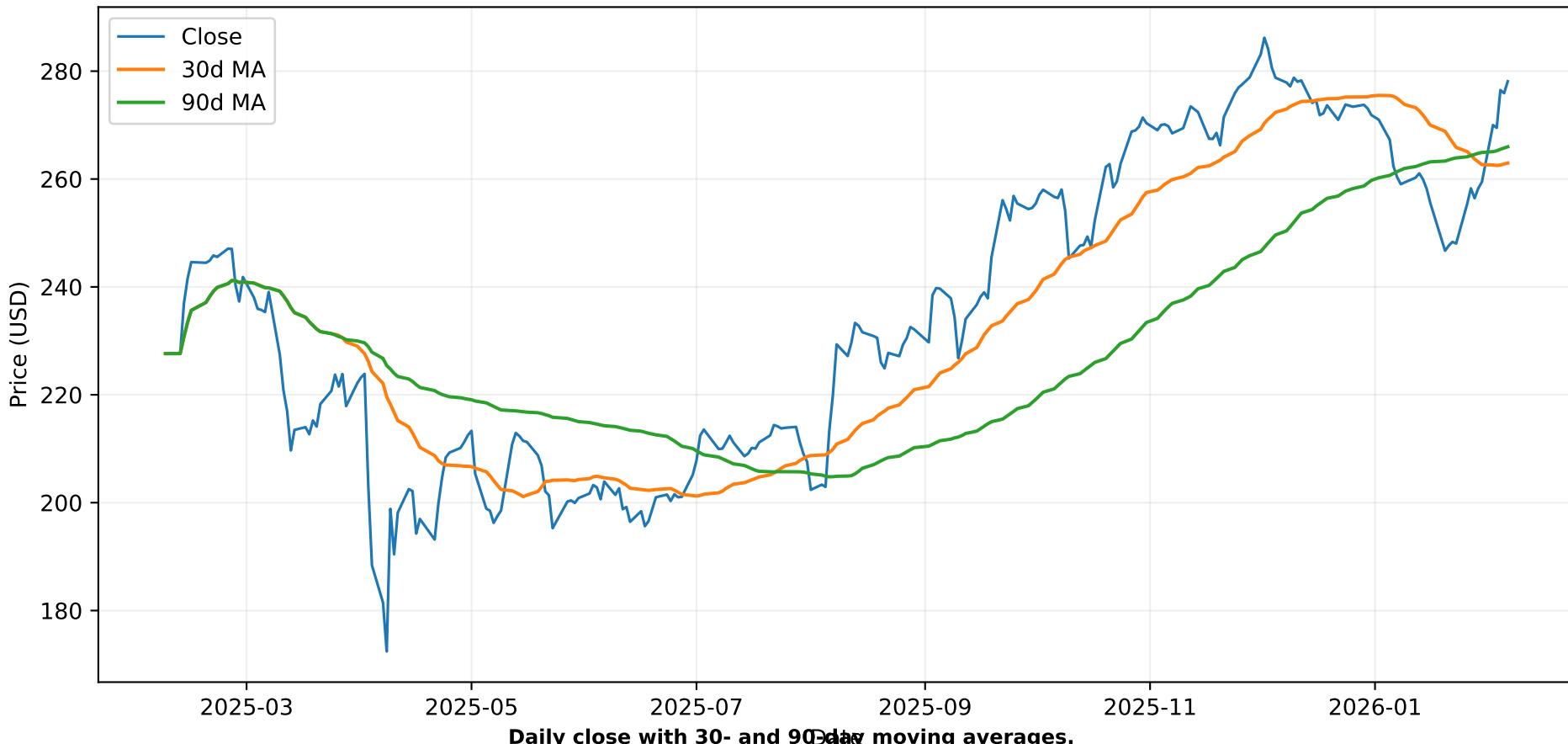
30d MA (latest): 262.96 90d MA (latest): 265.98

Trend slope: 0.2904 USD/day 30-day trend ext: 286.83

30-day projected 1σ range: 249.26 — 310.32

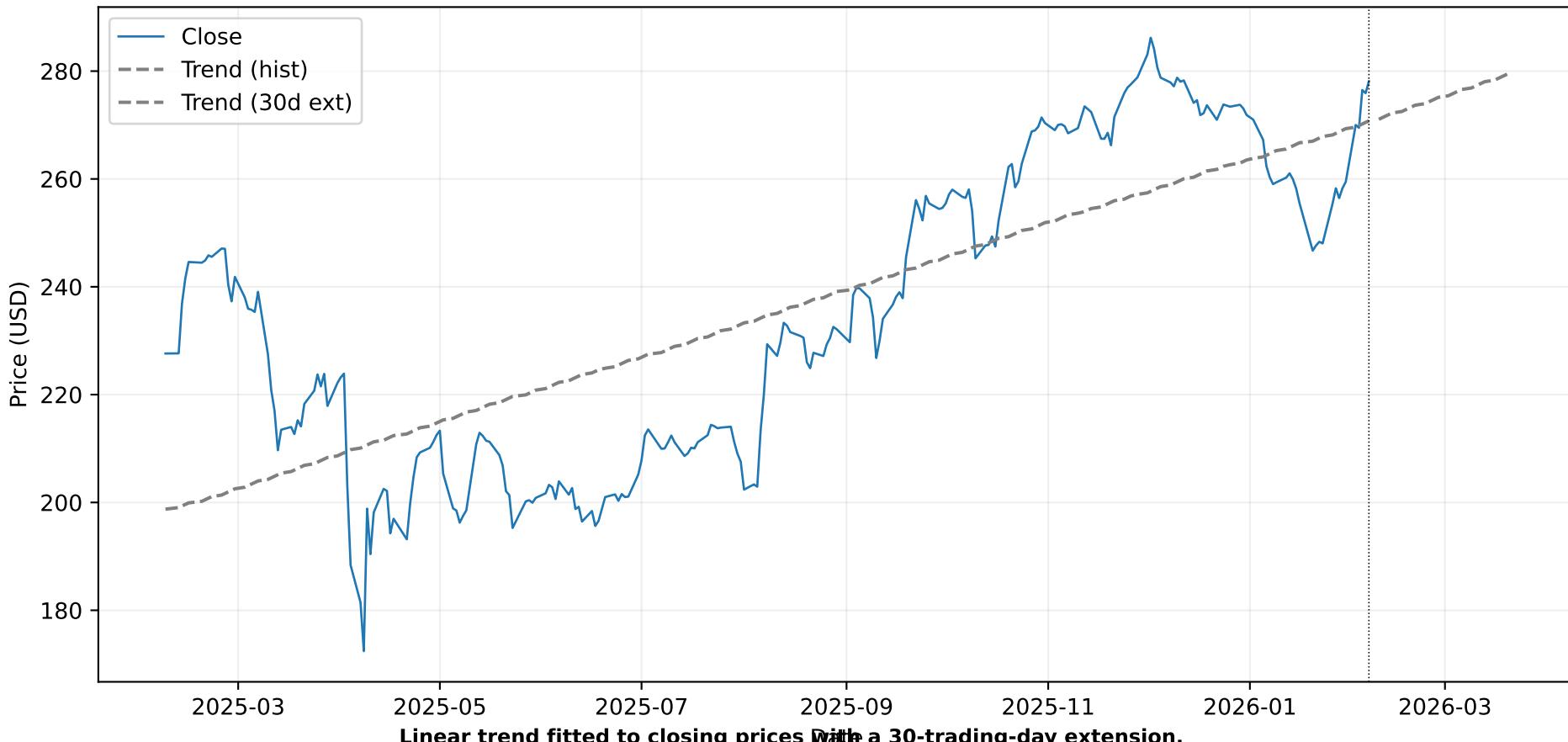
Event drivers (summary): dividends and earnings, product cycles, macro (rates/inflation) industry supply/competitive events. Limitations: uses historical realized volatility, linear and does not capture intraday or options-implied signals or future structural breaks.

Close with 30d & 90d Moving Averages

**Daily close with 30- and 90-day moving averages.**

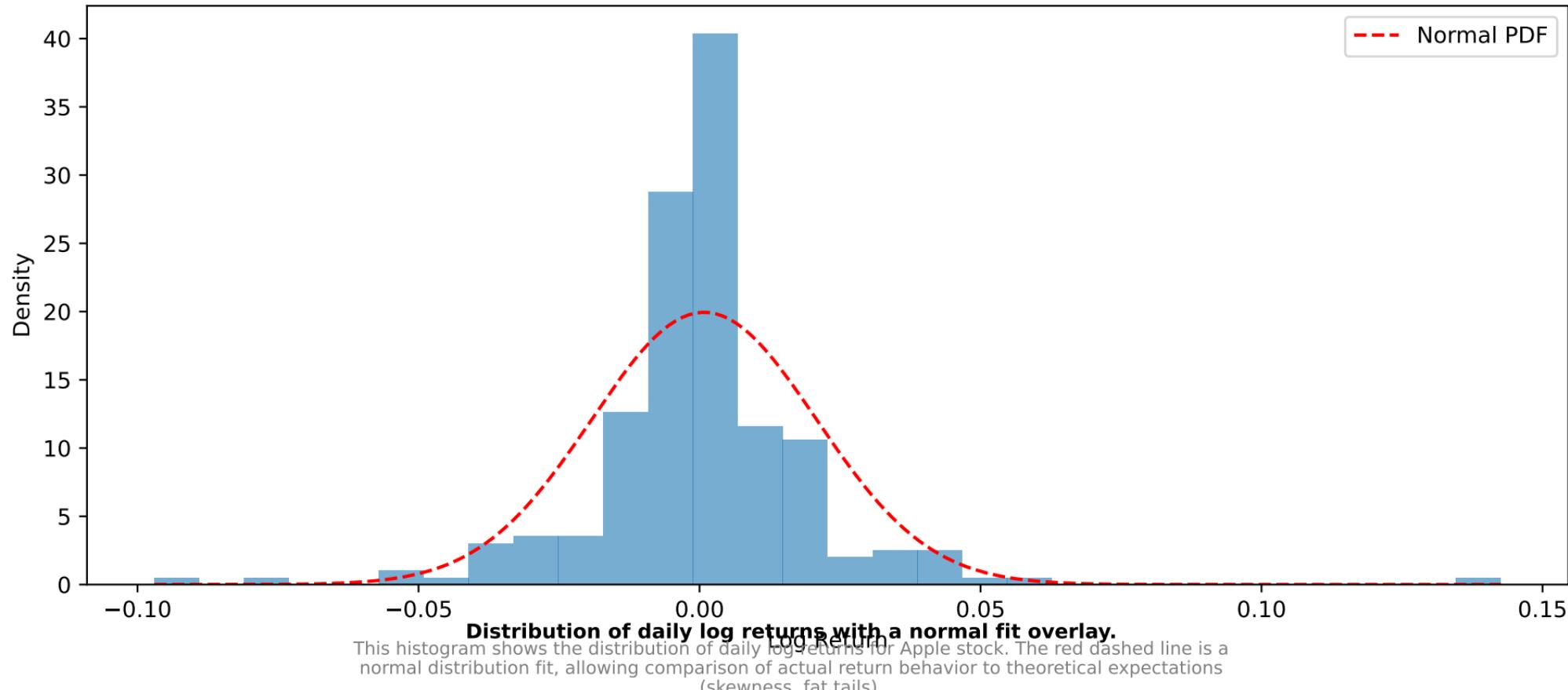
This chart shows Apple's daily closing price over the past year, with 30-day and 90-day moving averages. The moving averages help visualize medium- and long-term price trends, smoothing out short-term fluctuations.

Trendline and 30-day Extension (slope=0.2904 USD/day)

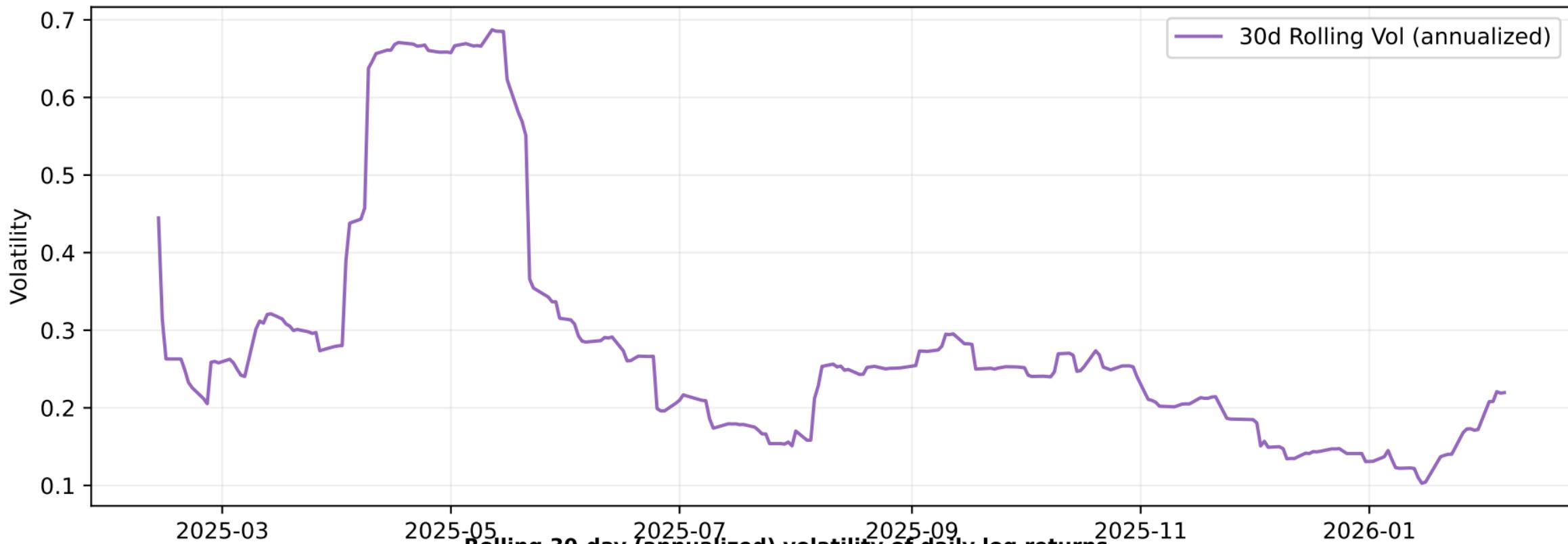
**Linear trend fitted to closing prices with a 30-trading-day extension.**

A linear trendline is fitted to Apple's historical closing prices and extended 30 trading days into the future. This illustrates the average price drift, but does not account for volatility or unexpected events.

Daily Log Returns Histogram



30-day Rolling Volatility (annualized)



Rolling 30-day (annualized) volatility of daily log returns.
The 30-day rolling volatility (annualized) measures the time-varying risk of Apple stock. Higher volatility periods indicate greater uncertainty and larger price swings, often coinciding with major news or events.

Daily Trading Volume

