

Exegy Solutions for Market Making



- » **Faster Market Views**
- » **Reduced Infrastructure Cost**

» **Extreme Speed**

An Exegy Ticker Plant powered Market Maker solution can improve returns with:

- » Lower Latency: market data latencies delivered in less than 25 microseconds
- » Consistent Performance: one appliance can handle volume from all North American or European exchanges with no performance hit, even at well above peak volumes
- » Extremely low latency jitter
- » Hardware Virtual Order Book, including a Consolidated Price View

Market Makers

Market Makers have to keep track of the markets and use complex algorithms to determine the best pricing. The effectiveness of the Market Maker is tied to his ability to see the whole market quickly, and to react quickly. Due to the volumes and complexity involved, Market Making applications can require significant computational, electrical, and cooling resources, not to mention valuable data center space.

See Market Data Faster - React First

With support for all major North American and European equities, options, and futures exchanges, the Exegy Ticker Plant can normalize data formats, cache, enrich and deliver market data to client applications in less than 25 microseconds. This latency is unmatched by any software solution, including solutions where feed handlers and client applications run on the same machine. Exegy's unique hardware accelerated infrastructure is able to deliver all that data in a single appliance.

Virtual Order Book, including Consolidated View

Exegy's Virtual Order Book offloads book building into the appliance hardware to present applications with multiple, selectable views, including a consolidated price view over multiple venues. Because one Exegy Ticker Plant processes all feeds in the same device, even the consolidated book can be delivered with the same latency advantage.

Concentrate on Strategies - Included Monitoring & Maintenance

Exegy allows the Market Maker to concentrate on strategies and less on monitoring and maintenance. Exegy's Operations Center performs 24x7 monitoring and management of its appliances, augmenting customer maintenance teams. In addition to day-to-day monitoring, Exegy operators are able to remotely upgrade systems in response to changes in exchange data formats, both planned and unplanned. When a hardware upgrade is available (approximately once every 12-18 months), Exegy personnel will be deployed to perform the appropriate upgrades. All forms of upgrade are included in the service.

Low Space and Resource Consumption

Market Makers using Exegy can reduce their maintenance costs versus other market data systems. The offloaded book building frees CPU cores on client machines, allowing them to be consolidated into fewer servers, reducing associated maintenance costs. In addition, the new Exegy Ticker Plant Limited Edition introduces a slim line 2U appliance designed for a smaller number of direct feeds, which can dramatically free up rack space for trading applications. The 4U Standard Edition supports an unlimited number of feeds.

System Specifications

API

- » The API is available for C and Java applications, and is supported on the following operating systems:
 - **Windows:** 32 or 64 bit, Windows XP, Windows 2003 R2 Server
 - **Linux:** 32 or 64 bit. Red Hat Enterprise Linux 4/5 or SUSE Linux Enterprise Server 10SP1

Connectivity and Integration

- » Four 1 Gig Ethernet RJ-45 interfaces for direct data feeds
- » A single 10/100BaseT RJ-45 Ethernet interface for management support
- » A single 10/100BaseT RJ-45 Ethernet interface for on-site monitoring support
- » A choice of client network connectivity types:
 - InfiniBand 4X DDR
 - 1 Gig Ethernet, RJ-45 connectors
 - 10 Gig Ethernet, CX4 or SFP+ connectors

Technical Specifications

Dimensions

- » 2U or 4U base Form Factor
- » 1U extensions

Power & Heat Dissipation

- » 110~220 VAC auto-sensing
- » 700 Watts Max, ~450W idle

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Patent Statement:

The Exegy Ticker Plant is protected in part by the following patents: US 6,711,558, US 7,139,743 and US 7,181,437. Other patents pending.

XTP-0027-A JUN 2009

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