

# The Exegy Ticker Plant 2.1

» speed, power, functionality



*Now with Financial  
Futures from CME*



## The Exegy Ticker Plant Delivers:

- » 2 million msgs/sec
- » Less than 80  $\mu$ s latency
- » Basket Calculation Engine
- » Virtual Order Book with rich set of views
- » All major North American and European feeds
- » Equities, options and financial futures
- » API optimized for efficient, co-located trading
- » Excess Capacity for 3rd party applications

## The Need for Speed and Access to Depth

Now that Regulation NMS, the Markets in Financial Instruments Directive (MiFID), and penny increments in the options market have converged, the volume of quote updates is exponentially greater than ever before. To provide the best executions, traders must subscribe to all the key feeds and view a consolidated order book at the lowest latency possible. The sheer volume of data coupled with the processing demands of building an order book present latency problems for traditional software solutions.

The Exegy Ticker Plant 2.1 is the first hardware-accelerated appliance specifically designed for co-located trading, offering the lowest latency despite the significant growth in message volume. The Exegy Ticker Plant 2.1 adds important new functionality and access to the major American and European Level 1 and Level 2 stock feeds, OPRA and financial futures on the CME. All in one box.

## Not Just a Ticker Plant

The Exegy Ticker Plant goes beyond a typical ticker plant, not only in low latency — but by including critical functionality: the Basket Calculation Engine (BCE) and Virtual Order Book (VOB). The BCE monitors up to a thousand portfolios simultaneously and facilitates extremely fast ETF and index arbitrage. The VOB provides views on an order and aggregated price basis for one venue or any combination of venues.

The Exegy Ticker Plant 2.1 maintains its ultra-low latency, at 80  $\mu$ s per message, even with the additional functionality. And there is more headroom for users' custom algorithms, in the same appliance, because of the Exegy Ticker Plant's unique technology.

## An Entirely New Way to Compute

The average latency and minimal jitter of the Exegy Ticker Plant 2.1 is largely independent of the message rate. As message rates continue to skyrocket in the future, there will be very little increase in lag - the average latency inherent in the application will remain nearly constant.

The 80  $\mu$ s of average latency is measured end-to-end, from the inbound feed before it hits the appliance to the receipt of the data on a client machine. The Exegy Ticker Plant 2.1, which offers throughput of 2 million messages per second, introduces multicast distribution in addition to regular unicast distribution.

## Speed & Capacity

Never before have low latency, high throughput and sophisticated levels of functionality been compatible. Traditionally, traders had to sacrifice one to optimize for another. Traders leveraging the Exegy Ticker Plant 2.1's insight no longer need to make that sacrifice. From multiple market segments and asset classes all at once, traders leveraging the Exegy Ticker Plant are now the first to target trading opportunities and first to make the trades.

## Managed Service to Support Your Competitive Advantage

**Service Model** — The Exegy Operations staff monitors installed Exegy Ticker Plants remotely utilizing the standard SNMP protocol. A wide variety of internal statistics are exposed through this standard interface, so existing operational monitoring systems can have a full view of the health and status of your Exegy Ticker Plant. Exegy Operations will load the latest feedhandler software whenever upgrades are required and constantly monitor data quality.

**Service Redundancy** — The standard configuration is to run a pair of Exegy Ticker Plant appliances side by side, with the second appliance serving as an online, hot spare. A third appliance is installed to serve as a pre-production data certification device.

For more information, contact us at [sales@exegy.com](mailto:sales@exegy.com) or 877.247.5534.

## System Specifications

- » **Forward Compatibility** — The Exegy Ticker Plant 2.1 can easily integrate into existing systems through the use of its open API. The API is available in C or Java, and for the following operating systems:
  - **Windows:** Windows XP, Windows 2003 R2 Server
  - **Linux:** SLES 10, Centos 4.6, 5.1 or Red Hat 4.6, 5.1
- » Exegy can also customize the API for other operating systems

The unique design of the API means that applications are able to achieve forward compatibility. Applications will work unchanged with all future versions of the Exegy Ticker Plant, even as data models evolve and the underlying wire formats change.

## Connectivity and Integration

- The Exegy Ticker Plant 2.1 supports a variety of network interconnects, including:
- » Multiple 10/100/1000BaseT copper RJ-45 Ethernet interfaces for exchange feeds
  - » A single 10/100BaseT copper RJ-45 Ethernet interface for management support
  - » A single 10/100BaseT copper RJ-45 Ethernet interface for on-site monitoring support
  - » A choice of client network connectivity types:
    - InfiniBand 4X DDR
    - 10/100/1000BaseT RJ-45 Ethernet
    - 10GigE (fiber only)

## Technical Specifications

### Dimensions & Weight

- » 4U Form Factor
- » 445 x 178 x 762 mm (17.5 x 7 x 30 in)
- » 37kg (80 lbs)

### Power & Heat Dissipation

- » 110~220 VAC auto-sensing
- » 500 to 600 Watts
- » 2046 Max BTU

### Temperature & Cooling

- » Operating: 10°C-25°C
- » Storage: 70°C max