



A Hundred Connections

#### Exegy Total Connect Delivers:

- » **Power:** 2.5 million messages per second
- » **Speed:** Hardware-accelerated ultra-low latency
- » **Consistency:** Minimal jitter
- » **Depth:** Viewing not just the BBO, but also order book and price view market depth
- » **TCO:** Operating from a single 19-inch, rack-mountable 8U appliance
- » **Scaling:** a hundred connections for downstream applications

# Exegy Total Connect

» *speed, power, functionality*

**T**he need for speed for traders in financial markets is obvious. But up to this point in time, only a few traders and applications have been able to enjoy the benefits of receiving updates in microseconds. However, the latest addition to the Exegy Ticker Plant family — *Exegy Total Connect* — brings **microsecond** latency to a **hundred** applications simultaneously. This is a tremendous step forward for trading firms who are colocated with exchanges. Imagine over a hundred applications running and taking advantage of micro movements in exchange data simultaneously. The power of the automated trader has just jumped to a new higher level.

Introducing the Exegy Total Connect — the Exegy Ticker Plant is the first hardware-accelerated appliance specifically designed for market data from the ground up. Total Connect is a revolutionary new member of the Exegy Ticker Plant family that brings access to all feeds with a greater degree of fanout.

#### Inside the Box

The Exegy Total Connect includes the Basket Calculation Engine and Virtual Order Book, as does its Ticker Plant forebear. The BCE monitors up to a thousand portfolios simultaneously and facilitates extremely fast list trading, ETF and index arbitrage. The VOB converges the best order book prices from all venues. It is extremely fast and constantly assures the best view of the electronic market.

## An Entirely New Way to Compute

As market data rates continue to explode, processor speeds are falling behind. Despite the continued applicability of Moore's Law, a defining principle for the semiconductor industry since 1965, conventional microprocessors alone can no longer keep up with current market data demands. The average latency and minimal jitter of the Exegy Ticker Plant family 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 almost constant.

## Outside the Box

The average latency of Exegy Total Connect is measured end-to-end, which is from the inbound feed before it hits the appliance to the receipt of the data on a client machine. The Exegy Total Connect permits a greater degree of unicast distribution, with a hundred client connections using hardware acceleration at microsecond latencies.

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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; US 7,181,437; and US 7,552,107. Other patents pending.*

## System Specifications

### Forward Compatibility:

The C-based API is currently available for the following operating systems:

- » **Windows:** 32 or 64 bit. Windows XP and Windows 2003 R2 Server.
- » **Linux:** 64 bit only. Red Hat Enterprise Linux 4/5 or SuSE Linux Enterprise Server 10SP1.
- » Exegy can also customize the API for other operating systems

### Connectivity and Integration:

The Exegy Total Connect supports a variety of network interconnects, including:

- » Multiple 10/100/1000BaseT RJ-45 Ethernet interfaces for exchange 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:
  - 24 ports of 10/100/1000BaseT RJ-45 Ethernet
  - 10 Gig Ethernet (coming soon)

### Technical Specifications

#### Exegy Ticker Plant

- » 8U Form Factor
- » 445x356x762 mm (17.5x14x30 in)

#### Power & Heat Dissipation

- » 110~220 VAC auto-sensing
- » 2200 Watts Max
- » 1400 Watts Idle

#### Temperature & Cooling

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

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

[www.exegy.com](http://www.exegy.com)