



# The Exegy Ticker Plant (XTP)

## A Purpose-Built Solution for Complex Markets

### Key Benefits

- » **Speed:** low microsecond latency remains consistent under load
- » **Capacity:** 2U appliances with patented FPGA technology
- » **Depth:** applications receive subscribed-to updates for BBO and full-depth book views
- » **Breadth:** support for over 300 feeds and global coverage of equities, commodities, derivatives, and currencies
- » **Power:** multiple composite views across user-selected combinations of markets
- » **Lower Total Cost:** comprehensive managed services provide continuous monitoring, deployment management, and expert support
- » **Transparency:** co-management interfaces provide comprehensive monitoring visibility
- » **Resiliency:** Reg SCI compliant management services and automated failover between redundant appliances

### Solution Overview

The Exegy Ticker Plant is an innovative, managed appliance that normalizes and distributes real-time market data to latency-sensitive trading applications.

### The FPGA Difference

**Patented Field-Programmable Gate Array (FPGA) technology** allows Exegy appliances to operate faster and more efficiently than commodity servers running software.

Real-time market data is delivered to your applications in a matter of microseconds, and your data center **costs for space and power are reduced by a factor of ten or more.**

### Fully Managed

Exegy further reduces your Total Cost of Ownership (TCO) by offloading your operations and development teams.

Every Exegy appliance is deployed as a managed service that includes **continuous monitoring, incident management, deployment management, change management, and access to expert support.**

### Application Development Simplified

In addition to lightening the load on your operations staff, the Exegy Ticker Plant insulates your application developers from the complexity of hardware-acceleration technology.

**Trading applications subscribe to customized views of market data through an easy-to-use API that any software developer can use.**

Subscribed-to data is delivered to your applications over a low-latency Remote Direct Memory Access (RDMA) fabric or TCP/IP network.

The Exegy Ticker Plant also performs value-added computations that allow applications to execute faster and consume fewer resources on your servers. Your technical teams and your application servers can now be focused on tasks that improve or expand your core businesses.



## Conquer Fragmentation

XTP includes powerful features that allow you to perform price-discovery and to identify liquidity in the face of market fragmentation.

**The Exegy Client API (XCAPI) presents a fully normalized data model that remains consistent across markets and asset classes.**

The Exegy Ticker Plant also computes multiple views of real-time pricing across user-defined sets of markets.

Applications may dynamically select the set of direct, SIP, or vendor consolidated data feeds that contribute to these views. The User-defined BBO (UBBO) and Virtual Order Book features provide applications with unprecedented control over pan-market views of real-time pricing and liquidity—allowing applicants to be faster, simpler, and accelerate time to market.

## Proven Resiliency and Compliance

Market data is the lifeblood of your electronic trading infrastructure. Exegy has the resiliency, compliance, and security capabilities and know-how to serve in mission-critical roles.

**Exegy Ticker Plant appliances are deployed in redundant pairs with automatic failover.**

Exegy utilizes a secure, global infrastructure to remotely monitor and manage Exegy appliances in co-location, proximity, and corporate datacenters.

Exegy serves as a trusted partner of leading exchanges, market makers, sell-side banks, buy-side asset managers, and proprietary traders. This includes systemically important exchanges and ATS businesses that are subject to Regulation Systems Compliance and Integrity (RegSCI).

## Exegy Ticker Plant Specifications

### Application Interface:

- » Easy-to-use Exegy Client API (XCAPI) to receive subscribed-to data from Exegy Ticker Plant
- » XCAPI available in C and Java

### Supported Operating System:

- » Linux: 64 bit only. Red Hat Enterprise Linux 6/7/8
- » Windows: 64 bit only. Visual Studio 2010 and newer

### Connectivity & Integration:

The Exegy Ticker Plant supports a variety of network interconnects, including:

- » For input market data feeds
  - Four 10/40 Gb ethernet interfaces
  - Choice of optical or active copper connectivity
- » For output of normalized data (TCP or RDMA)
  - Four EDR/FDR/QDR/DDR Infiniband interfaces, or
  - Four 10/25/40/50/100Gb RDMA over Converged Ethernet (RoCE) interfaces, or
  - Four 10/25/40/50/100 Gb TCP/IP over Ethernet interfaces
- » For Exegy Maintenance Feed:
  - One 1 Gb Ethernet CAT5 interface
- » For clock synchronization & customer monitoring:
  - One 1 Gb Ethernet CAT5 interface
- » For Intelligent Platform Management Interface (IPMI):
  - One 1 Gb Ethernet CAT5 interface

### Technical Specifications:

#### Dimensions & Weight - Base Appliance

- » 2U Form Factor
- » 434 x 86.8 x 736.29 mm (17.1 x 3.42 x 28.99 in)
- » 36.3 kg (79.9 lbs)

#### Power & Heat Dissipation

- » 110-240 VAC auto-sensing
- » 1150 Watts Max ~ 460 Watts Idle

#### Temperature & Cooling

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

## CONTACT US | [sales@exegy.com](mailto:sales@exegy.com)

**St. Louis HQ** +1 314 218 3600  
 Chicago +1 312 605 4500  
 New York +1 646 713 2773

Montréal +1 438 458 8153  
 Belfast +44 28 9568 0209  
 London +44 20 3608 5080

Paris +33 1 45 23 13 49  
 Manila +1 314 218 3600

