

# CHIXMD Binary Multicast

The low latency Chi-X Market Data feed with maximum performance and added efficiencies

Chi-X now provides CHIXMD **Binary Multicast** in addition to its existing CHIXMD **ASCII Multicast** and **ASCII Unicast** market data feeds.

All CHIXMD market data feeds are generated real-time direct from the Chi-X trading platform and contain the full functionally rich suite of business messages.

CHIXMD **Binary Multicast** includes the following **additional functionality**:

- **Compressed Messages.** Binary Multicast disseminates compressed CHIXMD market data messages resulting in an approximate 40% increase in message throughput during busy periods and volatile market events when your latency sensitive trading strategies need it most.

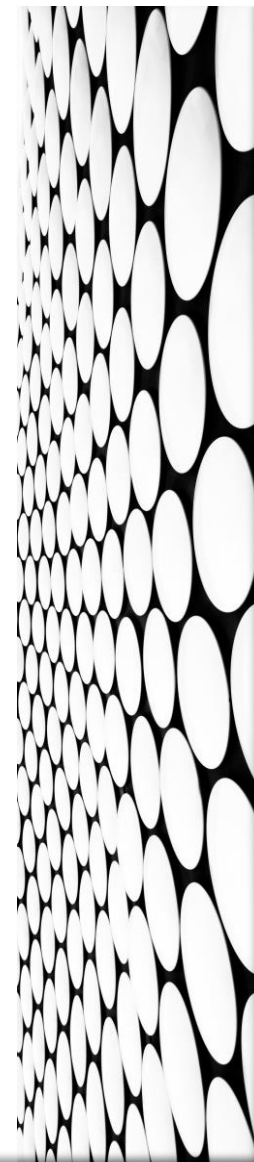
- **Time Precision.** The Time fields within the Binary Multicast protocol provide increased precision.

- **Snapshot Recovery.** Binary Multicast feed users are provided with two recovery methods:

A Snapshot Recovery method has been introduced to streamline market data recovery, including the following scope options:

- Trading summaries (Hi Lo Last and trading turnover statistics), or
- Order book information and symbol status, or
- All of the above

The existing recovery method remains available whereby users can recover all market data messages since message 'x' or from start of day.



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## Comparison Table

CHIXMD **ASCII Unicast**, **ASCII Multicast** & **Binary Multicast** all share the following feature rich attributes:

### Functionality

- Full order book, trade list, symbol status updates direct from the Chi-X trading platform.
- Include all symbols traded on Chi-X.
- Recovery options listed are included in the single monthly fee.

### Connectivity

- May be provisioned on your existing 10Gb Fibre Port physical connectivity lines thus reducing setup costs.
- Disseminated with a low variance of latency (low jitter).
- Addition of CHIXMD subscriptions to your test setup (in PTE) are included in your standard capped PTE fee.

### CHIXMD ASCII Unicast

- TCP login provides real-time market data plus the recovery of missed messages.
- Timestamps to milli-second precision
- Resilience available via **Primary** (Stream A) and **Secondary** (Stream B) in Equinix SY2, plus **Backup** in Global Switch (all live/live/live)

#### Relevant Technical Specifications:

- Market Data Feed

### CHIXMD ASCII Multicast

- Real-time market data broadcast plus a TCP login for retransmission / recovery of missed messages.
- Superior latency compared to Unicast due to the broadcast dissemination
- Timestamps to milli-second precision
- Resilience available via **Primary** (Stream A) and **Secondary** (Stream B) in Equinix SY2, plus **Backup** in Global Switch (all live/live/live)

#### Relevant Technical Specifications:

- Multicast Market Data Feed (real-time)
- Market Data Feed (retransmission)

### CHIXMD Binary Multicast

- Real-time binary market data broadcast, plus either a TCP login for retransmission / recovery of missed messages, or a streamlined **snapshot recovery** option.
- **Superior throughput** (Approximately 40% greater) compared to ASCII Multicast.
- **Timestamps** *initially* to micro-second precision
- Resilience available via **Primary** (Stream A) and **Secondary** (Stream B) in Equinix SY2, (both live/live)

#### Relevant Technical Specifications:

- Multicast Market Data Feed – Binary (real-time)
- Market Data Feed - Binary (retransmission)
- Snapshot Recovery Service – Binary (snapshot)

Please **contact your Chi-X Technical Account Manager** with any queries.

[Technical Notice link](#)

[Technical Specification link](#)

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