

# iX-Risk Control



Ultra low latency risk & limit control throughout the trading process

## Move down the latency curve with iX-Risk Control sub millisecond limit checks

**iX-Risk Control** facilitates the configuration of any required pre and post trade checks in order to limit trading exposure whilst enabling any filters to be changed whenever you like throughout the trading day. Whether you are a Prime Broker looking to retain and grow your high frequency trading client base or a Hedge Fund or Proprietary Trading House looking to trade under the sponsorship of an Exchange member without introducing any latency, iX-Risk Control is your single solution.

## High frequency trading under Exchange member's name

With a plethora of new market venues available and the continuing dominance of electronic trading comes the need to control trade risk across multiple trading venues and asset classes in real time. As Hedge Funds and Proprietary Trading Houses race to strip out latency in order to hammer down 'round trip' trading times, organisations are increasingly required to view trading risk in microseconds at the source of the trading venue matching engines. Fixnetix innovative **iX-Risk Control** model builds upon the success of **iX-Direct** ultra-low latency direct market data and **iX-Trade** high speed trading connectivity by adding multi-venue trade data normalisation, risk & limit controls. Our ultra-low trading solution connects clients to trading venues utilising 'sponsored access' from the Prime Broker of choice whilst managing limit controls at client, account, venue and instrument level.

Prime Brokers have the ability to control client risk, both pre-trade and post trade, whilst integrating various bespoke requirements such as restricted stock lists. Hedge funds and Proprietary Trading Houses benefit from the ability to code to a single API covering Stocks, Futures, Options and FX markets whilst utilising the Exchange & MTF members trading gateway at the trading venue co-location facility.

**iX-Risk Control** provides a scalable solution facilitating thousands of simultaneous transactions per second with drop copies available to both parties for post trade checks and compliance management. Full 24/7 support and latency monitoring is available to both parties from a dedicated team of industry specialists.

## iX-Risk Control

- ▀ Reduce time to trade new markets
- ▀ Sub millisecond trading 'round trip' times
- ▀ Utilise Prime Broker member's trading name
- ▀ Full Prime Brokerage risk and limit controls

- ▀ Best of breed technologies are matched with stringent performance SLA's
- ▀ Constant performance monitoring and bandwidth utilisation
- ▀ Help desk and support

## Engineered for the world of 'sponsored access' trading

**iX-Risk Control** is a complete, end-to-end service that enables full limit controls against client, account, venue, long/short and restricted lists. Real time limit management is available via an API or front end GUI. Total control is offered with permissions, overrides, disable capabilities and client 'close out only' functions.

## Additional Fixnetix services:

**iX-Direct** provides over 40 markets as direct feeds in multiple api formats for ease of integration whilst leveraging client infrastructure commitments and is available 'on-the-wire' as a single ethernet output.

**iX-Trade** provides high performance trading connectivity to the same markets via ultra-low latency exchange gateway access under the member firm's own name or for their sponsored access clients.

**@Source** offers the optimal co-location and proximal location hosting environments in order to provide the fastest access trading points, removing the need for additional telecommunications reducing propagation and serialisation delays.

**Technology** - The system offers full component integration with stringent monitoring in a wide number of key data centres in Europe today and is available in over 100 data centres globally based on client demand.

**Connectivity** - Our performance network, with up to 10Gigabit+ client connectivity utilising DWDM technology, ensures the ultimate flexibility and cost effective solution. Dedicated high bandwidth circuits ensure no data buffering at times of peak message rates, no conflation means full data transfer and full monitoring ensures total capacity planning.

**People** - Our technology experts have many years' experience in financial market data. As proven industry practitioners we understand every issue regarding the delivery of ultra-low latency trading. By providing a full trading infrastructure, bandwidth, support and connectivity to both buy and sell sides of the markets, Fixnetix delivers continuous performance 24 hours of the day, allowing clients to focus solely on their strategies and trading performance.

# The speed to succeed

**FIXNETIX**  
The ultimate trading advantage

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" Fixnetix has provided our data to a number of our customers with some very impressive latency statistics."

London Stock Exchange

Fixnetix is the leading exchange trading and market data infrastructure company providing ultra high performance real time direct data feeds and trading connectivity services to the financial community.

The first step in improving the trading environment is changing the market data & trading venue gateway infrastructure models to one's that match today's trading structures and regulatory regimes. Delivering raw or normalised data and multiple trading venue access at ultra low latency direct to the trading platform gives firms greater flexibility to design and execute their trading strategy.

- Fixnetix has designed and engineered the optimal market data and trading services using best of breed partners under extensive service level agreements.
- Each component is performance engineered as an integral part of the complete service whilst maintaining the ability to scale requirements such as additional trading venue servers on demand.
- Our 'direct to your trading engine' approach delivers raw or normalised data in the format of your choice - thus eliminating local operating costs and project risk.
- 'On the wire' delivery allows firms to access more markets and data on demand. Every change can also be applied to ensure identical data feeds for both primary and DR trading sites.
- Our 'ready to trade' professional services handle the entire deployment process for you - requirements gathering, ordering, configuration, setup and tuning.
- In order to maintain its performance advantage, Fixnetix invests in a process of continuous optimisation to identify and implement technologies that enhance the performance of its market data infrastructure.

## Key service features

End-2-end infrastructure supporting both data & execution.

Managed service including exchange gateways, feed handlers and ticker plants.

Innovative services delivered 'on the wire' direct to your trading engine with no additional technology to install and maintain.

Customers value Fixnetix for its ultra low latency market data & trading infrastructure, 'on the wire' managed services and the flexibility of the support services provided.

## Clients can:

- Access market data at the performance of a direct exchange connection but with the flexibility of a managed network.
- Utilise Fixnetix independent hosted exchange trading infrastructure in order to reduce round trip times for trading.
- Use our managed market data feed handlers to reduce their local processing overheads, eliminating the need for local feed handling systems.
- Build a fully resilient direct market access strategy by exploiting Fixnetix' investment in dual ticker plants within diverse locations.
- Generate competitive advantage by colocating algorithmic trading engines at the closest point to the exchanges to minimise network latency.
- Commit transactions to the exchanges via the high bandwidth Fixnetix network infrastructure.

Fixnetix 'continuous performance optimisation' lets you focus on trading while we ensure the trading infrastructure continues to deliver the performance you need; not just now but into the future.

- Exchange updates or hardware upgrades.
- Feed handler selection and configuration.
- Testing and delivery of the ultimate feed choice.
- Network engineering - reducing circuit lengths.
- Circuit utilisation - ensuring feeds do not exceed bandwidth.

Multi formats offered for ease of integration.

Dedicated team offering round the clock monitoring and support.

The fastest connection at every location: Gigabit ethernet or fibre connections to datacenters and 55,000 points of presence around the world.