



Layer 1

When Every Nanosecond Counts

Execute trades 10x faster* with as little as 5-85ns latency, using the first globally available Layer 1 solution for data and exchange access.

In an increasingly fast-paced global market, supporting your traders with consistently high-performance connections to all major exchange matching engines and data feeds is key, especially to facilitate order execution ahead of the competition. TNS was the first to globally deploy a Layer 1 solution, delivering ultra-low latency in colocation using a purpose-built, single-hop design. TNS' Layer 1 features FPGA technology, enabling market data and order activity to be delivered in a fraction of the time of conventional solutions.



10x Faster Connectivity With 5-85ns Latency



Simplified and Cost-Effective Managed Service



Single-Hop Custom-Designed Flat Architecture



Standardized Deployments in All Major Locations



Synchronized Market Data and Order Capture

ULL Layer 1 (5-85ns)**
Directly connected to exchange Layer 1 switches



TNSXpress deploys its industry-leading Layer 1 ultra-low latency connectivity in multiple exchanges around the world.

*compared to a traditional Layer 3 architecture
**Lowest MD latency depends on the exchange's delivery architect



The Power of 10

Delivered as a fully-managed service, TNS' Layer 1 offers unrivalled exchange connectivity and trade execution speeds that are up to 10x faster than any other traditional managed Layer 3 service, offering minimal latencies of 5-85ns.



One Layer, Worldwide

As the only ultra-low latency infrastructure provider to have standardized deployments in virtually all major financial data centers and exchanges globally, clients can benefit from the same connectivity, hosting and managed service capabilities in every location. All sites are interconnected using the fastest available telco networks to complement local instances.



Less Hops, Less Failure

Specifically designed from the ground up to simplify and flatten traditional Layer 3 networks, TNS' single-hop and fast-switch processing architecture can deliver high levels of reliability and stability, including increased consistency and predictability of market data.



No Tears Over Costly Tiers

Unlike a multi-tiered Layer 3 network with complex designs, configurations and legacy hardware requirements, TNS' flat architecture offers swift and simple deployments with little equipment, resource or maintenance required, significantly lowering associated costs.



All in Sync

TNS is uniquely placed to offer synchronized, lossless market data and client order capture, complete with nanosecond-accuracy timestamping on every packet. Available at most hosted sites globally, recorded data can provide invaluable trade performance insights and feed other AI-driven business applications.



Serving You Globally

Investing in latest generation technology is only part of the solution. TNS provides high-touch customer service and support 24x7x365, locally in region, to navigate linguistic and cultural hurdles and to work directly with local exchanges and vendors.



To learn more about TNS Financial Markets solutions, contact a sales executive.

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