

LIQUID-MARKETS SOLUTIONS

Transforming the Costs and Potential for Market Access



Shōganai...

"It Cannot Be Helped"

Assuming & Accepting

A Less Than

Desirable Outcome.





Shōganai

Prevents

The

Possible

Shōganai:

- Limits Progress
- Overlooks Innovation
- Dismisses Insight, Perspective & Need
- Accepts The Inefficient & Inappropriate



The

Possible

Captures

Untapped

Opportunity

Why Accept Limitations?
When Bottlenecks Can Be Eliminated

Why Accept Total Transmit Latency of 1000s of ns¹? When You Can Do It All in 650ns¹

Why Accept Compromise?
When a 360° Plug & Play Solution Exists

Why Pay \$100M PA to Provide Market Access?
When \$50M Provides a Differentiated Service

¹Not a STAC Benchmark





Success

Is

Measured

Ву

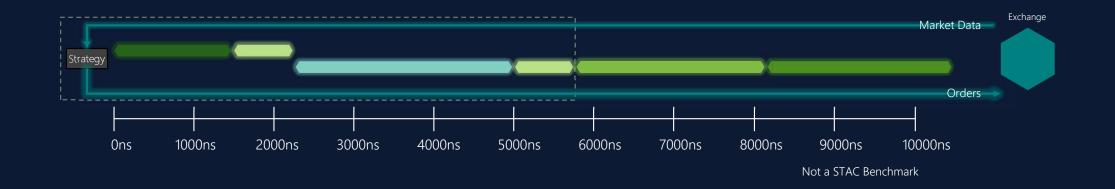
Alpha

Alpha is Directly Correlated to Latency

What Matters is the Totality of Latency



The Totality of Latency Exceeds 10,500ns





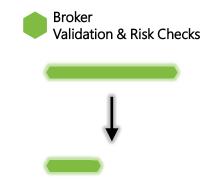


Single-Point Solutions

Ignore

The Totality Of Latency

Marginal Gains - A Fraction of The Totality of Latency



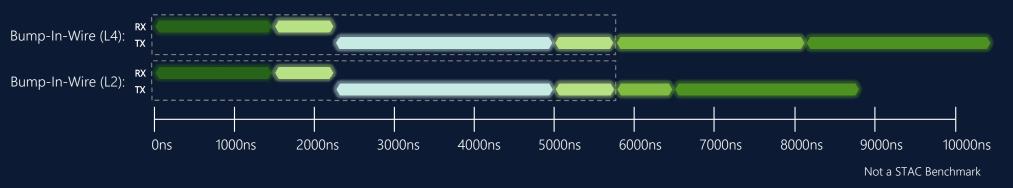
...and the Remaining 9,000ns¹ Or So of Latency? Shōganai?

¹Not a STAC Benchmark





Investors Assume that Latency is Inevitable...

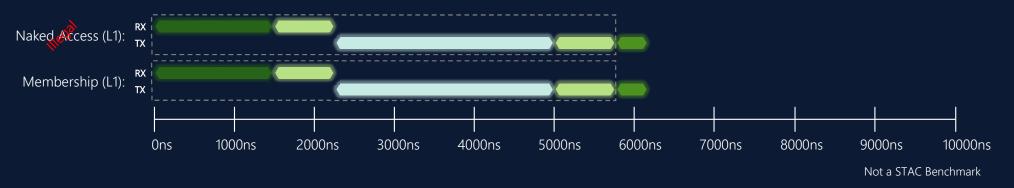


Components of Latency





...and Some Firms Create Marginal Improvements via Increased Risk...



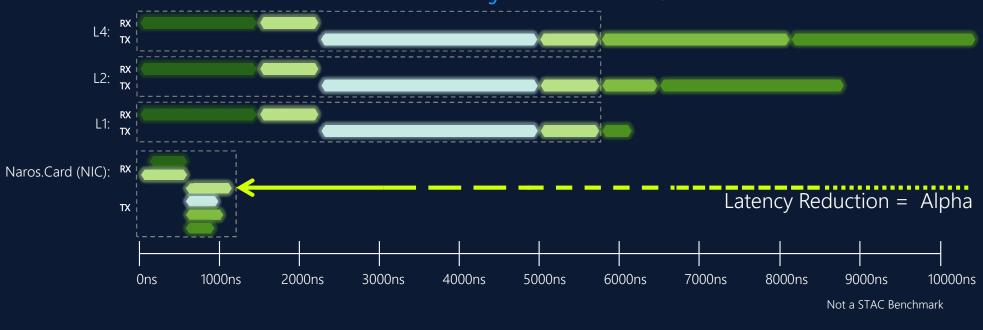








...LMS Rejects Status Quo...



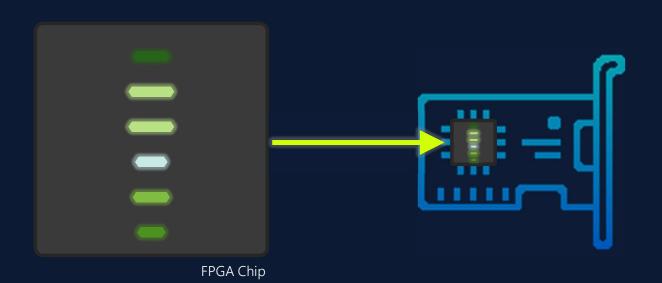
Components of Latency







...LMS Embraces The Possible



- NIC w/Embedded FPGA
- Combined Functionality
- Complete Parallelization
- Encrypted Logic

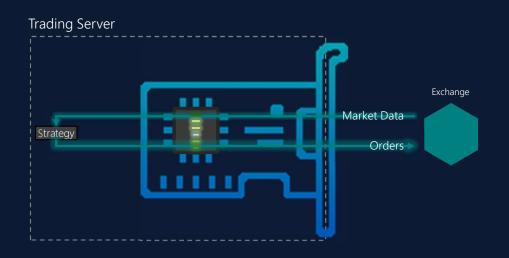
Functional Components





LMS Delivers The Possible

- Direct Venue Access
- Combined Functionality
- Unparalleled Performance



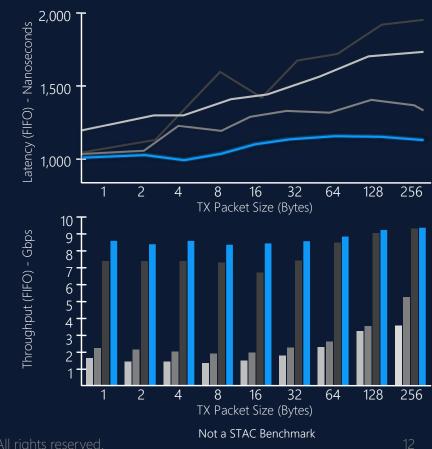
Functional Components





Naros.Card is <u>Also</u> The Most Performant NIC Available

- Unparalleled No-Compromise Low-Latency & Throughput
- Latency: Outperforms Other Solutions by 12% to 26%
- Throughput: Outperforms Other Solutions by 12% to 257%
- Consistent Performance Regardless of Message Size





Solutions for Institutional Connectivity & Venue Access

Naros.Card



Designed and Optimized for Latency-Sensitive Trading

- Venue Access No Less Than 6x Faster Then Competitors
- <u>Direct</u> Venue Access w/Complete Regulatory Conformance

Naros.Hub

Designed and Optimized for Connectivity & Routing

- 667x Per-Device Capacity Advantage vs Traditional Server
- 2404x Annual kWh Cost Reduction vs Traditional Server

Proven Technology - Innovative FPGA Implementation w/US Patents 9,501,795 & 10,269,071; Others Pending

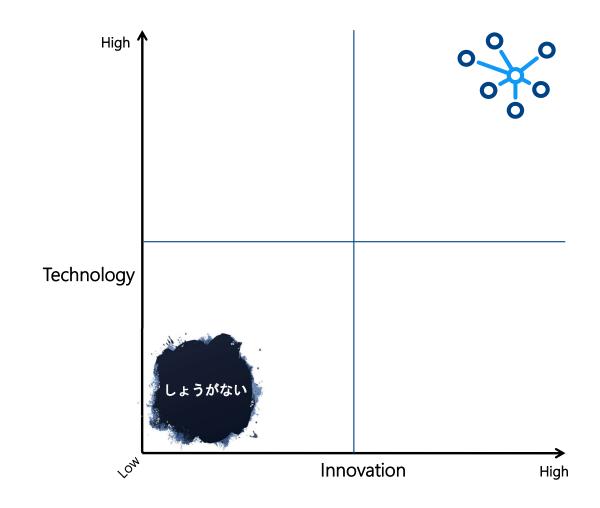


LMS Delivers The Possible

Unparalleled Performance

Unique Yet Proven

Eliminates Compromise





The Global Standard

Ultra-Low-Latency & Ultra-High-Capacity

> Venue Access & Connectivity

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