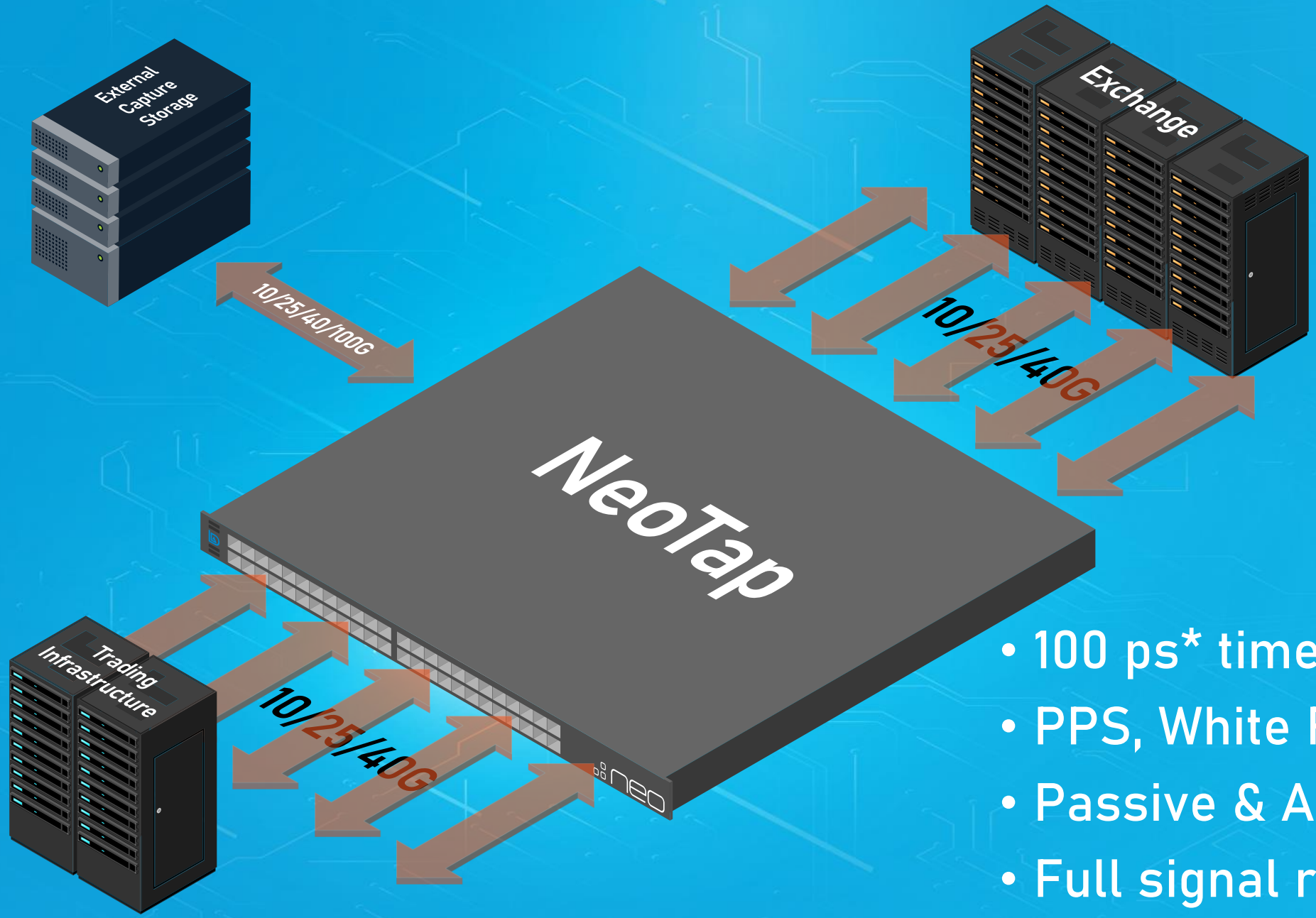
LDA TECHNOLOGIES

ULTIMATE LATENCY REDUCTION WITH LDA 10/25/40G PRODUCT SUITE



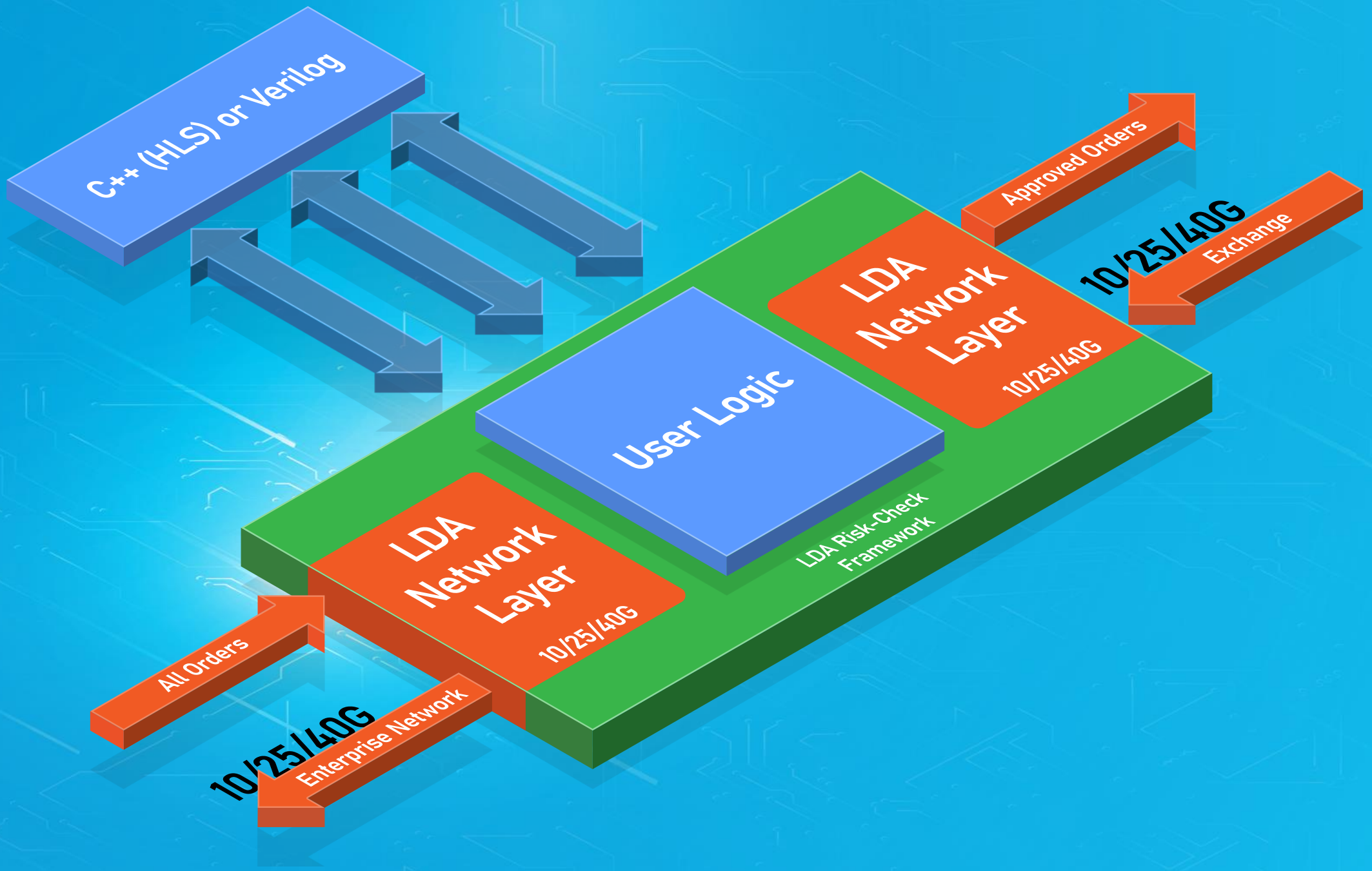
- 100 ps* timestamp accuracy
- PPS, White Rabbit
- Passive & Active Layer 1
- Full signal regeneration

*Not STAC Benchmark

LDA client-to-exchange mux latency: 48* ns

Packet Size	40-10-40G Convertor		40-25-40G Convertor	
	Buffering	Total	Buffering	Total
64 Bytes	38.4 ns*	86.4 ns*	15.4 ns*	63.4 ns*
128 Bytes	76.8 ns*	124.8 ns*	30.8 ns*	78.8 ns*

*Not STAC Benchmark


C++ (HLS) or Verilog
Approved Orders
10/25/40G
Exchange
LDA Network Layer
10/25/40G
User Logic
LDA Network Layer
10/25/40G
LDA Risk-Check Framework
All Orders
10/25/40G
Enterprise Network

ULL MAC/PCS

- Lowest latency 644 MHz MAC/PCS IP Cores
- IP-Level jitter attenuator support
- Multiple user interfaces
- Minimal FPGA utilization
- 322 MHz mode

Roundtrip Latencies (including transceivers)

10G: 6.2 ns* + 15.6 ns* (Xilinx PMA Roundtrip)

25G: 9.6 ns* + 15.6 ns*

40G: 30 ns* + 15.6 ns*

*Not STAC Benchmark

Thank You!

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