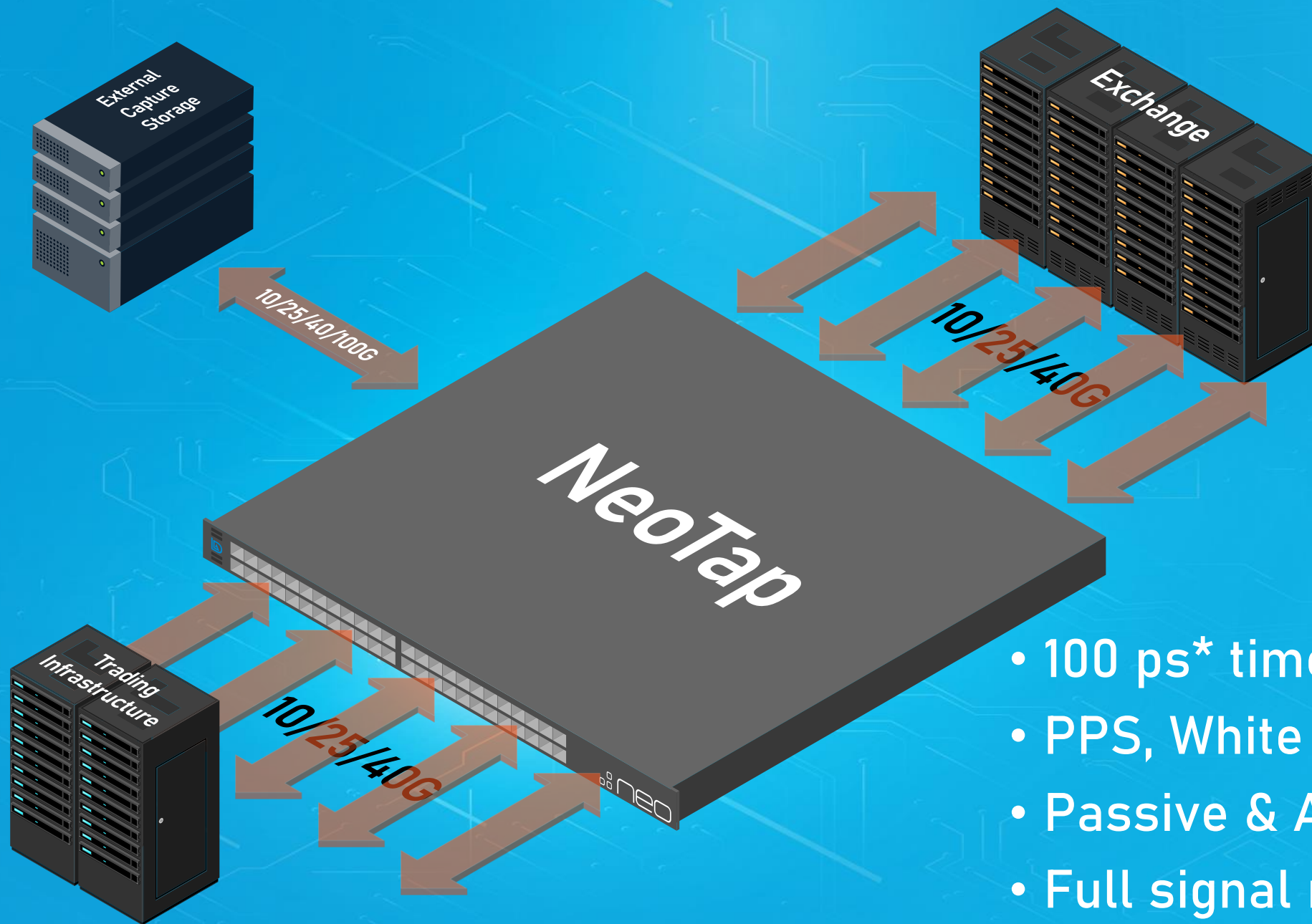




LDA TECHNOLOGIES

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



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

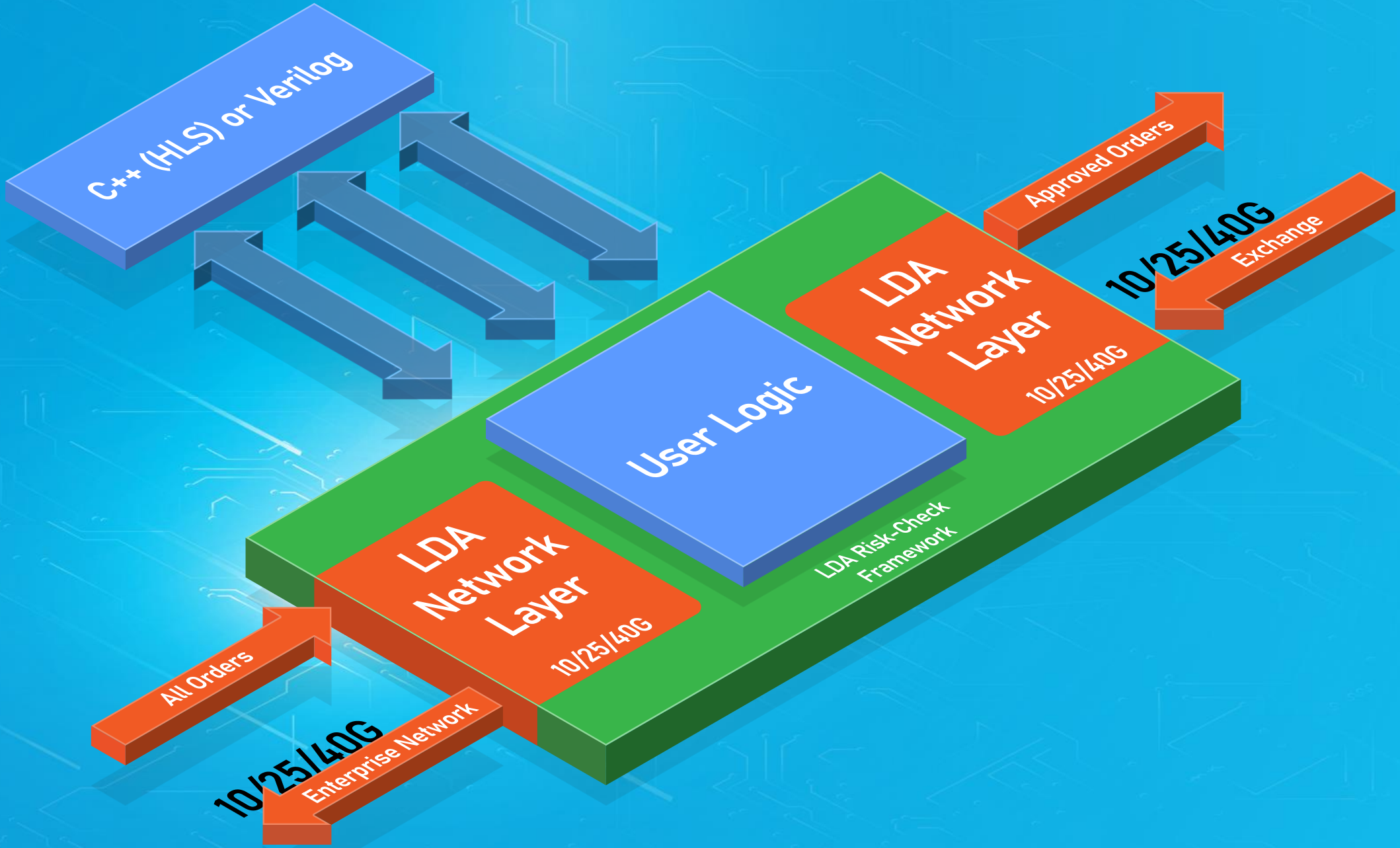
*Not STAC Benchmark

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



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: $6.2 \text{ ns}^* + 15.6 \text{ ns}^*$ (Xilinx PMA Roundtrip)

25G: $9.6 \text{ ns}^* + 15.6 \text{ ns}^*$

40G: $30 \text{ ns}^* + 15.6 \text{ ns}^*$



Thank You!

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