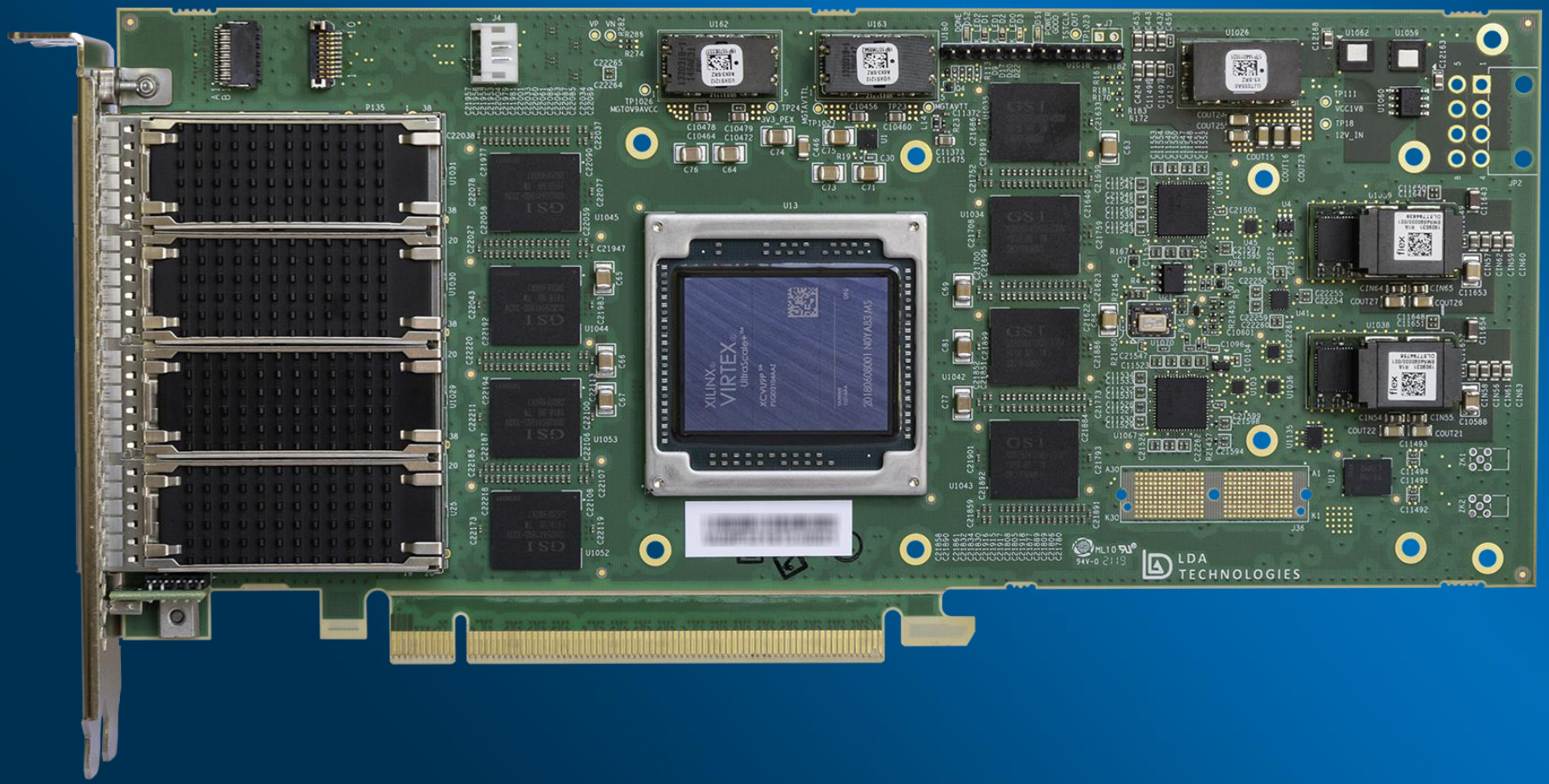
WINNING THE RACE

ULTRA-LOW LATENCY WITH LDA

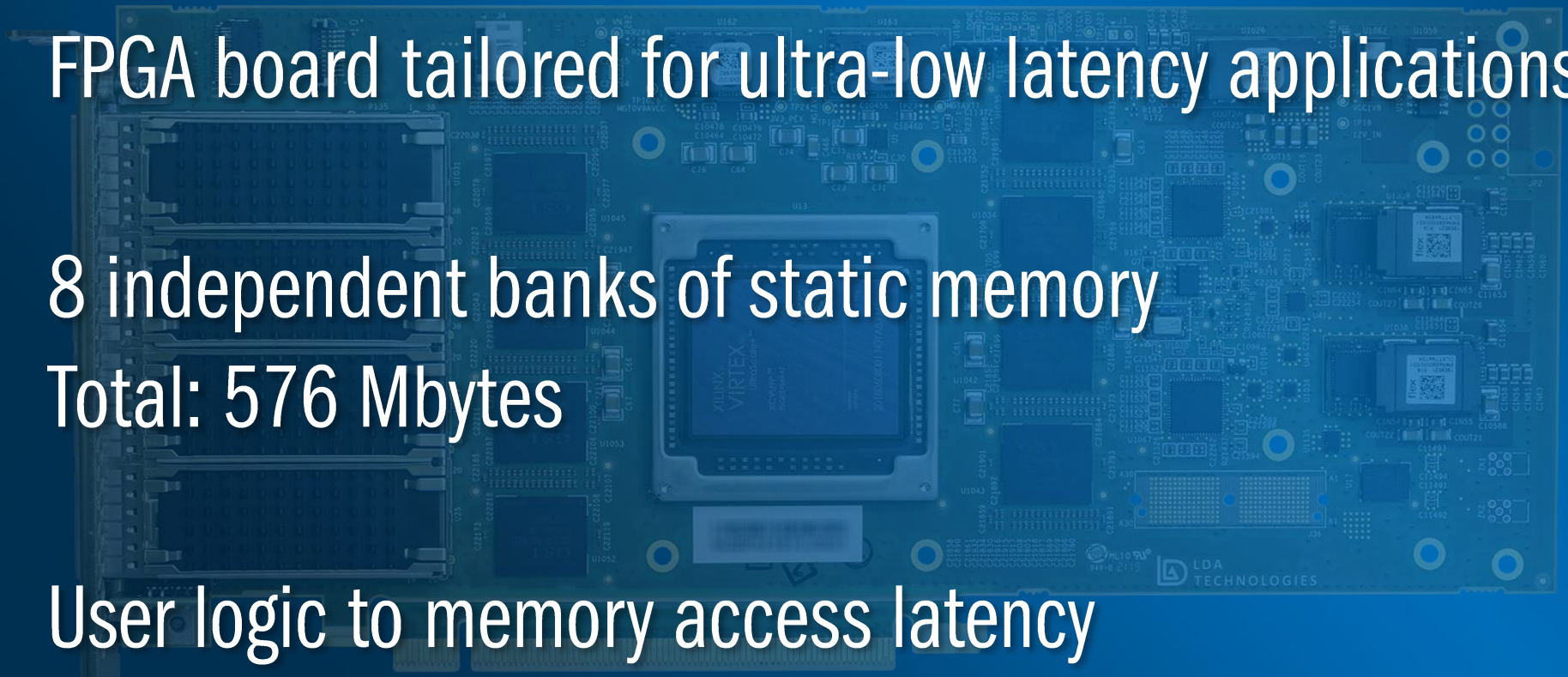
LDA TECHNOLOGIES™

Providing FPGA-based solutions
for ultra-low latency markets since 2010



LDA TECHNOLOGIES™

- FPGA board tailored for ultra-low latency applications



- 8 independent banks of static memory
  Total: 576 Mbytes

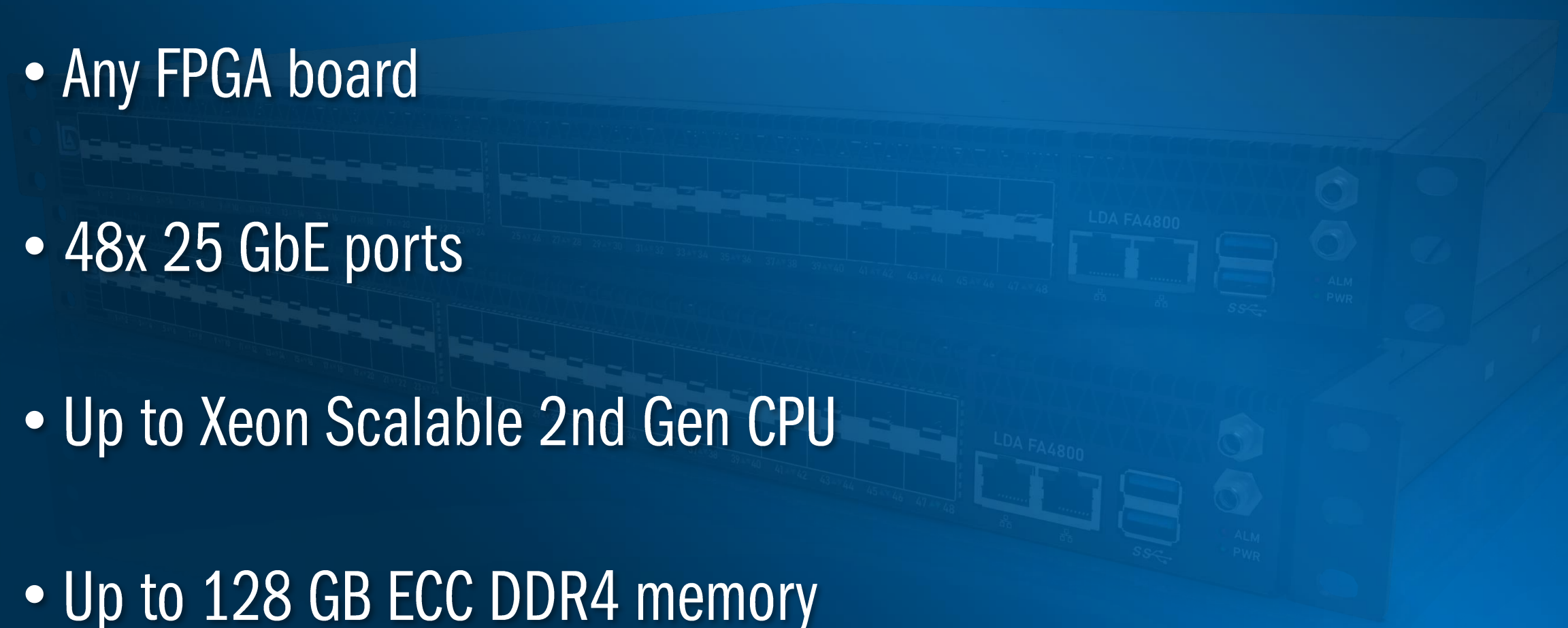
- User logic to memory access latency
  Write: 9 ns | Read: 12 ns

LDA TECHNOLOGIES™

New generation of LDA FPGA board enclosures

LDA TECHNOLOGIES™

- Any FPGA board
- 48x 25 GbE ports
- Up to Xeon Scalable 2nd Gen CPU
- Up to 128 GB ECC DDR4 memory



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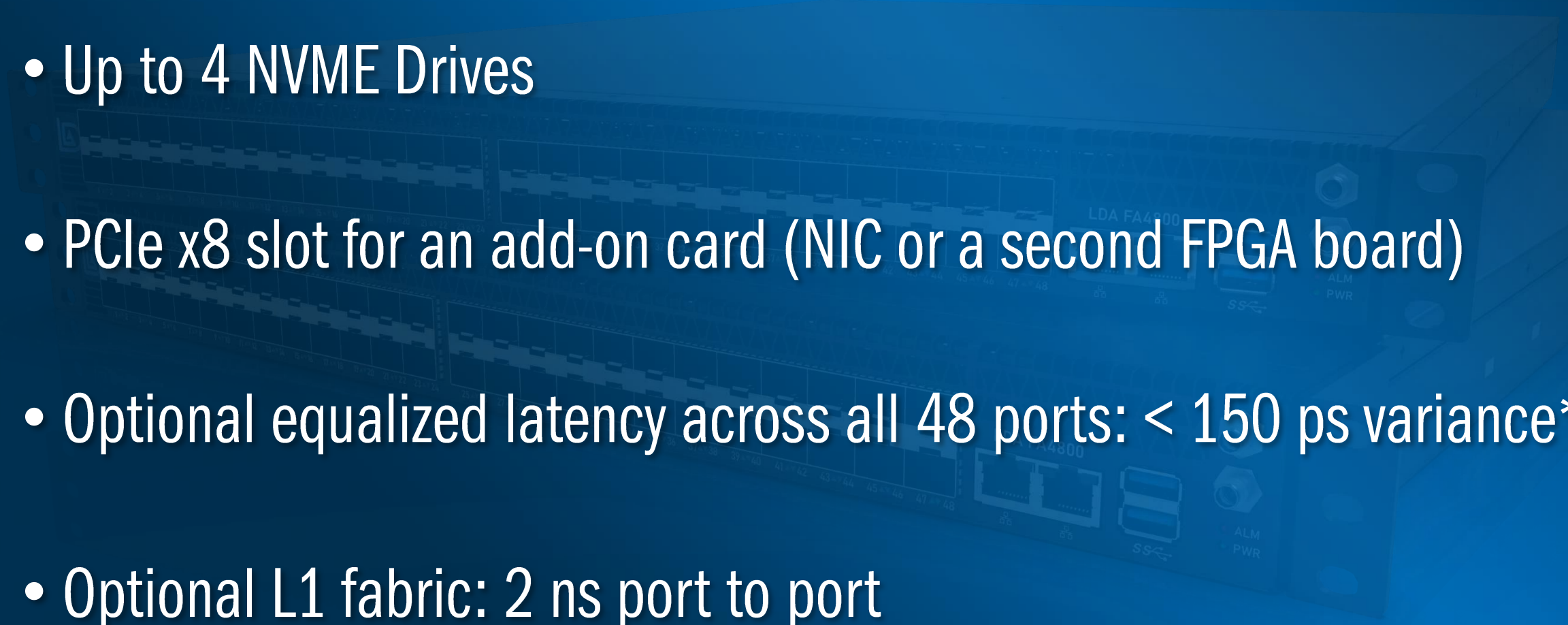

- Up to 4 NVME Drives
- PCIe x8 slot for an add-on card (NIC or a second FPGA board)
- Optional equalized latency across all 48 ports: < 150 ps variance*
- Optional L1 fabric: 2 ns port to port

*Not STAC Benchmarks

LDA TECHNOLOGIES™

LDA 16-bit / 644 MHz 10G IP Cores

MAC / PCS 6.2* ns roundtrip (+ 15.4 PMA)

- Over 40% boost vs. 32-bit / 322 MHz

FPGA IP Core News

- Over 15% boost vs. 20-bit / 515 MHz

*Not STAC Benchmarks

Measured with LDA 30 ps accuracy latency measurement system

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LDA 16-bit / 644 MHz 10G IP Cores

FPGA IP Core News

MUX	27.8* ns
Layer 3 Router	45* ns

*Not STAC Benchmarks

Measured with LDA 30 ps accuracy latency measurement system

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LDA 16-bit / 644 MHz 10G IP Cores

FPGA IP Core News

Tick-To-Trade Actionable I/O Latency

Min: 28* ns

Max: 40* ns

*Not STAC Benchmarks

Measured with LDA 30 ps accuracy latency measurement system

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Thank You

www.ldatech.com

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