

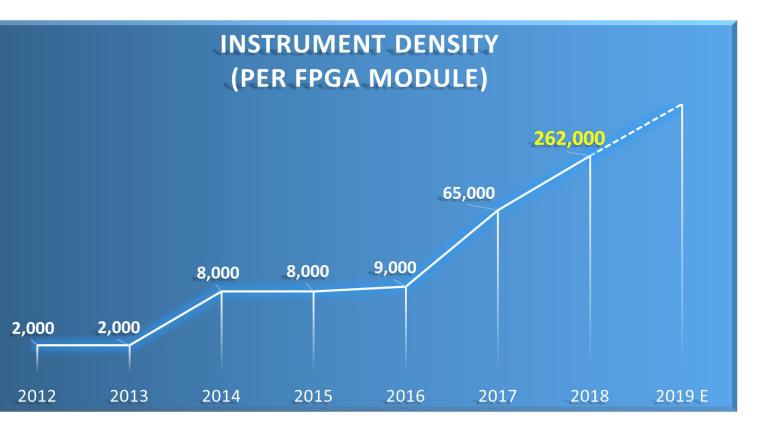
4th Generation Platform Scalability – Performance - Versatility

STAC - Fall Summits 2018 Chicago, New York, London

SCALABILITY



- Biggest FPGA (Xilinx UltraScale+)
- Biggest QDR Memories
- Custom Hardware Design
- Massive I/Os

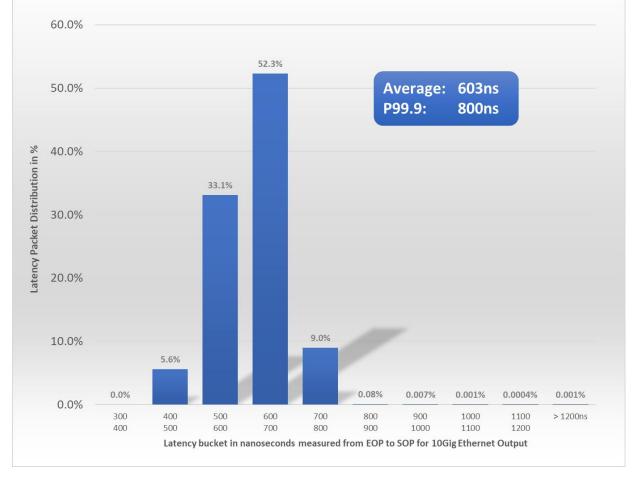


Enabler for Options and Consolidated Markets



PERFORMANCE

US Equities in a Box (single 2U NovaTick Appliance) Book Building - Entire instrument universe for Nasdaq, BX, PSX, BZX, BYX, EDGX, EDGA, NYSE, ARCA, NYSE American



US Equity: 20% improvement

603ns average 800ns at p99.9

CME:30% improvement 450ns average 800ns at p99.9

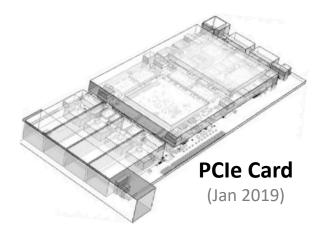
Not STAC Benchmark

NOVASPARKS

VERSATILITY



2 Hardware Form Factors



Ideal for:

- Enterprise deployments
- Full US Equity deployments
- Large number of trading servers
- Multiple market data use

Ideal for:

- Low TCO deployments
- Single Feed Markets
- Small number of trading servers
- Full Tick to trade on FPGA



AND STILL...

- 60 Feed global coverage and counting
- L1 book, L2 book and L3 book consumption options
- All expected reliability features: (Recovery, retransmission, snapshot, A/B arbitration...)
- NovaSparks Wire Format
 for the tightest integration
- NovaSparks API for the quickest integration
- PTP Time Stamping
- Microwave Shaped and Conflated Output
- NovaLink and Tick to Trade Development Platform with Solarflare

THANK YOU...



Contact: sales@novasparks.com