

DEFINING PERFORMANCE AND RESILIENCY AT THE EDGE

Quick look...

Extraordinary Value

Lower size, weight and power with incredible life cycle cost savings

Infinitely Flexible

Six modular slots for any mix of Flash Storage, CPU, or GPU. Easily upgrade, expand, or reconfigure

Unprecedented Density

Converged compute, storage and memory in a 2u format with up to 88 CPU cores, 460 TB* storage, 2 TB RAM

Lightning Fast

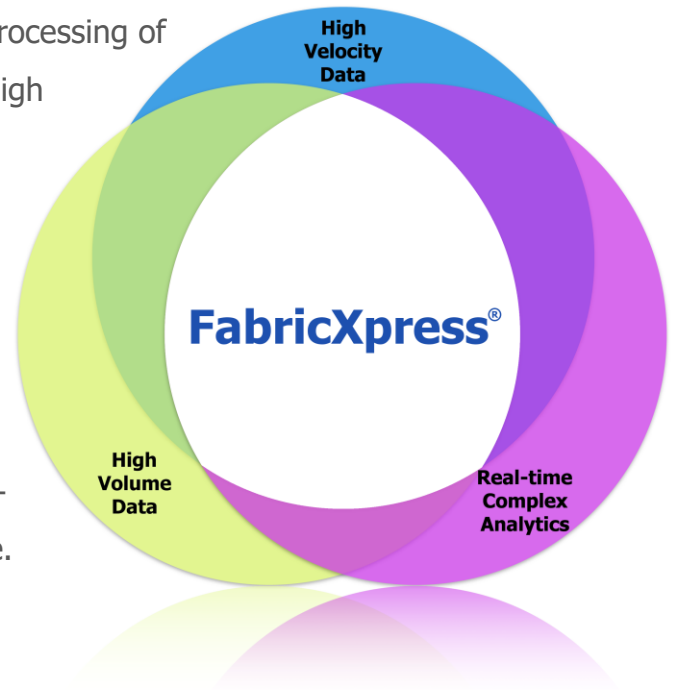
NVMe/PCIe architecture reduces latency and dramatically accelerates throughput, compute and storage capabilities.

FabricXpress Edge Computing Platforms

FabricXpress edge-computing platforms deliver real-time performance for complex analytics on high-volume, high-velocity, streaming data. The unique combination of performance, density, and cost enables the next generation of capabilities for video streaming, cyber security, financial market data, defense and intelligence, and Internet of Things (IoT).

FabricXpress is designed for the emerging edge computing market, which addresses high-bandwidth, low-latency, and high density. FabricXpress is a high-density, converged server/storage platform that leverages a unique NVMe/PCIe architecture to provide unequalled, sustained throughput and end-to-end low-latency response necessary to meet the most demanding edge requirements.

The FabricXpress platform enables real time insight and response from complex processing of high volumes of data at high velocities. This level of performance will enable next generation applications where large amounts of sensor-based data inputs must be processed to provide real-time insight and response.



DEFINING PERFORMANCE AND RESILIANCY AT THE EDGE

Converged Server and Storage Appliance

FabricXpress brings the promise of NVMe to reality, including the first true fulfillment of unequalled sustained throughput and end-to-end low latency response. This is all achieved using dual-ported NVMe SSDs, dual-controller design, and an integrated PCIe fabric.



The FX-1000 is an advanced compute/storage architecture incorporating 2 dual CPU servers with up to 88 cores and up to 2TB of RAM, tightly coupled with up to 72 x 2.5" NVMe SSDs – all in a 2U form factor.

Technical Specifications FX-1000

| | | | | |
|------------------------------|--|---|---|--|
| Configuration Options | Each system includes two server modules, specifications listed are per appliance | | | |
| Compute** | CPU: 4 x Intel E5-2620v4 32 cores/64 threads @ 2.1GHz | CPU: 4 x Intel E5-2650v4 48 cores/96 threads @ 2.2GHz | CPU: 4 x Intel E5-2667v4 32 cores/64 threads @ 3.2GHz | CPU: 4 x Intel E5-2699v4 88 cores/176 threads @ 2.2GHz |
| Memory | 32GB to 2TB RAM | | | |
| Network Connections | 4x10 GbE or 4x40 GbE or 4x100 GbE | | | |
| Storage Capability | 1– 6 FlashPacs Each FlashPac holds up to 12 Dual Ported NVMe SSDs (800, 1600, 3200 or 6400 GB)* Total capacity: 9.6TB – 460TB* I/O performance capacity: Over 60GB/s transfer rate, 12M+IOPS, fully populated Storage Capability, share between server modules | | | |
| Form Factor | 2U (H 3.5" x W 17.25" x L 36.5") | | | |
| System Cooling | 7x60mm dual stage counter rotating heavy duty fans with PWM fan speed controls | | | |
| Power Supplies | 80 PLUS TITANIUM Grade Dual Redundant Power Supplies @100-120v: Dual 1100W Out @100-120V, 15A + Dual 1000W Out @100-120V, 10.5-12.5A, 50-60Hz @230-240v: Dual 1500W Out @230-240V, 11A, + Dual 2000W Out @230-240V, 9.8-10.0A, 50-60Hz | | | |

* Increased capacity supported as higher capacity SSDs become available

** Shown are example CPU configurations. FabricXpress supports the full line of the Intel® XEON® processor E5-26xx V4 family