

KEY FEATURES

Elastic NVMe over Fabrics Storage

Low Latency Access

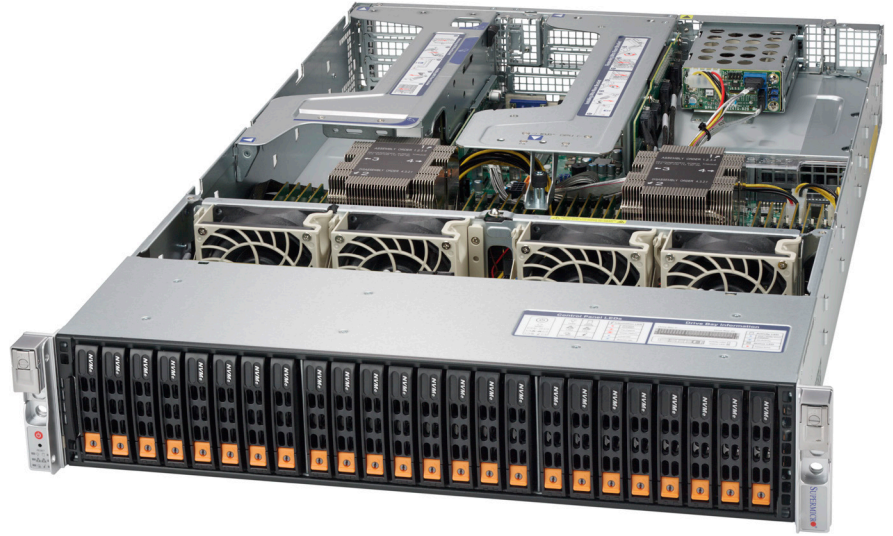
>Tens of GB/s Throughput

>Millions of IOPs

EDR InfiniBand or 100GbE
Connectivity with RoCE v2

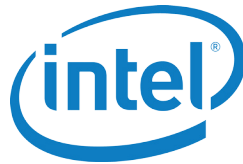
RAID Support

100% Efficiency



“Excelero’s NVMesh architecture extends the promise of SDS to low-latency workloads by leveraging server-side NVMe-based flash storage to deliver a scalable converged infrastructure for next level performance.”

—Scott Sinclair, Senior Analyst, Enterprise Strategy Group, Inc.



BOSTON FLASH-IO TALYN

A REVOLUTIONARY LEAP FORWARD IN NVMe OVER FABRICS

Solving one of the biggest challenges in computing today, Excelero enables low latency and high-performance access to NVMe volumes to be delivered to remote clients with minimum processor overhead. Employing technologies such as RoCE v2 and 100Gbit/s EDR InfiniBand or 100GbE from Mellanox’s Connect-X 5 range, processor overhead and latency is kept low, whilst bandwidth is plentiful.

NVMesh is a Software-Defined Block Storage solution that features Elastic NVMe, a distributed block layer that allows unmodified applications to utilize pooled NVMe storage devices across a network at local speeds and latencies. Distributed NVMe storage resources are pooled with the ability to create arbitrary, dynamic block volumes that can be utilized by any host running the NVMesh block client. These virtual volumes can be striped, mirrored or both while enjoying centralised management, monitoring and administration.

The Boston Flash-IO Talyn is available as either a disaggregated or converged solution, making it a perfect fit for different use cases.



NETWORKING

We have a range of switches and transceivers. Get in touch with our sales team to discuss your requirements.



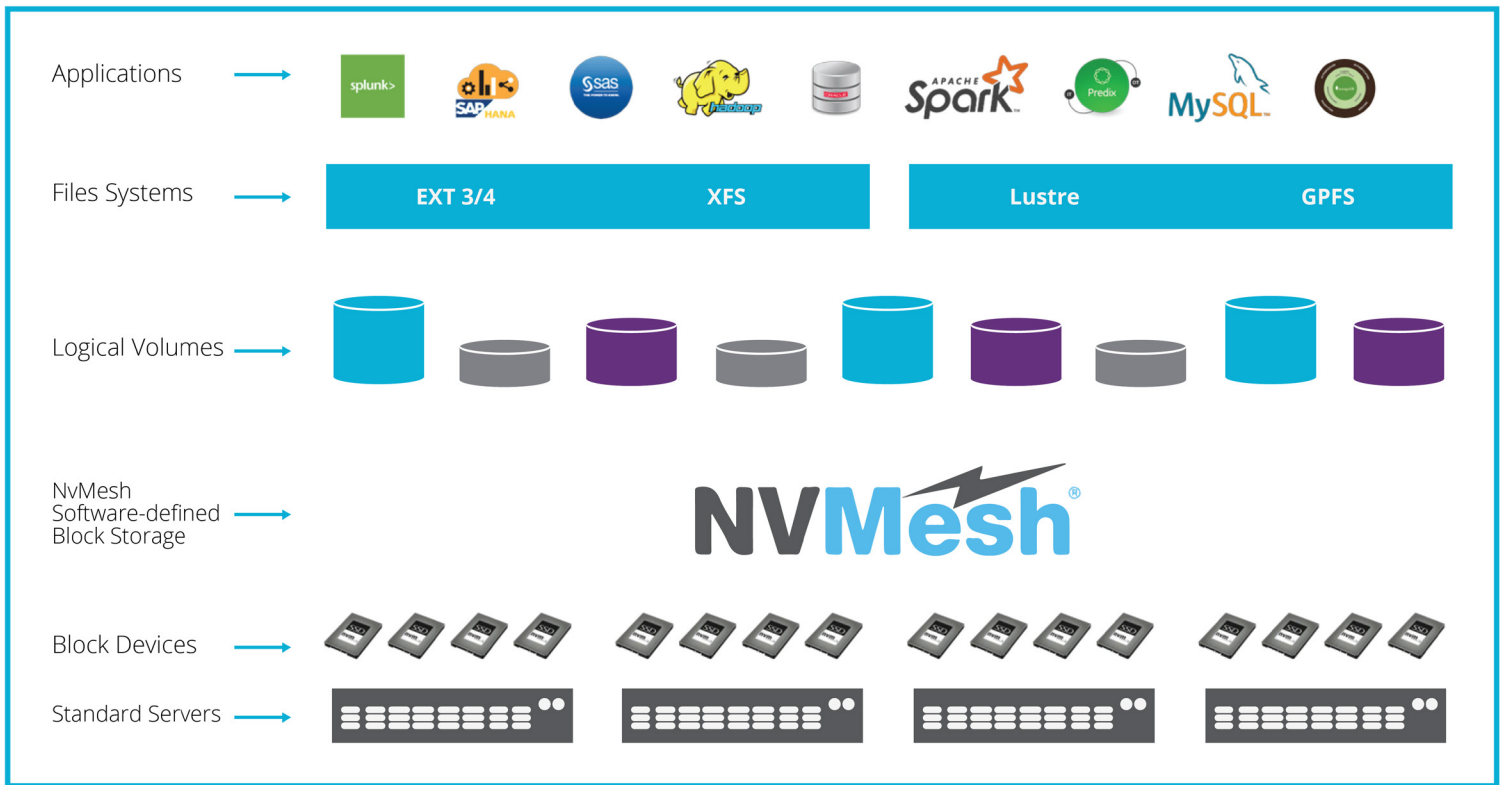
LEASING

All of our hardware and services are available to lease. Get in touch with our sales team to discuss your requirements.



GLOBAL SUPPORT & WARRANTY

Our after sales support team are on hand to answer any queries and provide warranty support services.



SYSTEM SPECIFICATIONS

MODEL	FLASH-IO TALYN	FLASH-IO TALYN SCALE OUT
FORM FACTOR	2U (Single Node)	2U (4 Nodes)
COMPUTE RESOURCE	2x Intel® Xeon® Skylake-SP CPUs	8x Intel® Xeon® Skylake-SP CPUs (2 Per Node)
DRIVE SUPPORT	Up to 24 x U.2 NVMe Devices	Up to 24 x U.2 NVMe Devices (6 Per Node)
CAPACITY	Up To 264TB RAW with 11TB Micron 9200 Series NVMe	Up To 264TB RAW with 11TB Micron 9200 Series NVMe
THROUGHPUT	Up to 23GB/s (Configuration Dependent)	Up to 45GB/s (Configuration Dependent)
IOPS	Up to 4.9 Million IOPS (Configuration Dependent)	Up to 10 Million IOPS (Configuration Dependent)
LATENCY	<200µs	<200µs
NETWORK CONNECTIVITY	Two Mellanox Dual-port 100GbE / 100Gbit/s EDR Infiniband	Mellanox Dual-port 25/100GbE / 100Gb EDR Infiniband
NVME SOFTWARE RAID	RAID 0, 1, 10 Support	RAID 0, 1, 10 Support

Customised configurations are also available - contact us to discuss your requirements