

KEY FEATURES

1U Form Factor

11GB/s Bandwidth

1.9 Million IOPS

100us latency

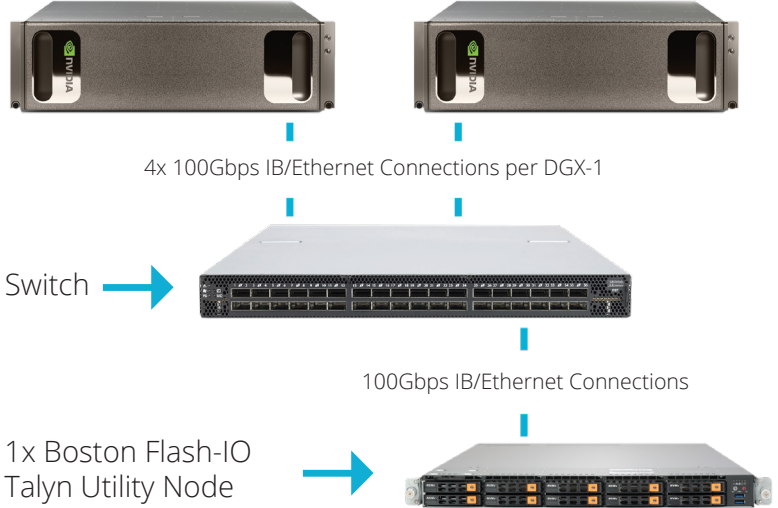
15TB Usable Capacity

Promotional Price of \$20,000*

Multiple
NVIDIA® DGX-1
Systems



SINGLE NODE DEPLOYMENT (DATA CACHE)



BOSTON FLASH-IO TALYN UTILITY

ACCELERATE YOUR AI COMPUTING WITH SCALABLE NVME STORAGE

At a time where deep learning solutions are processing data faster than typical storage bandwidth can match; the Boston Flash-IO Talyn family is designed to accelerate the data feed to your GPU servers ensuring your GPU's can operate to their full potential. Organisations could also be paying for complex and expensive all-flash arrays with advanced storage features, that aren't fully utilised, just to keep up.

The Flash-IO Talyn (Utility) is designed as a dynamic building block to give a cost-effective way of testing the features and performance of NVMe Over Fabrics technology using Excelero NVMesh. As a single system it can be used as an NVMe Cache for scratch data providing nearly 12GB/s of bandwidth or higher with an average 100us latency out of the box. Performance and capacity can be scaled linearly by adding more NVMe drives allowing for up to 24GB/s of bandwidth per 1U system.



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.

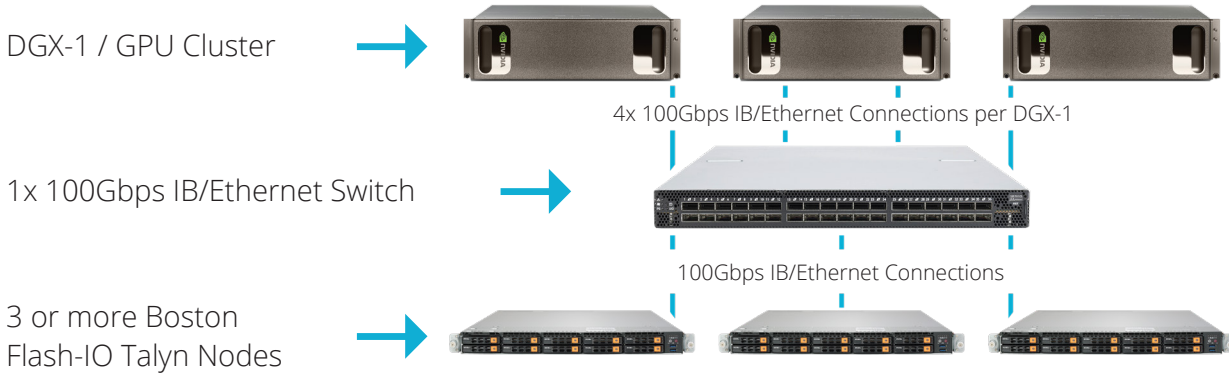


GLOBAL SUPPORT & WARRANTY

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

*Price per System – Limit of three systems per customer

3 NODE DEPLOYMENT (WITH DATA PROTECTION)



By adding more NVMe systems a distributed pool of NVMe storage can be delivered over the network at local speeds and latencies with data protection (RAID 0,1 and 10) and unlimited scalability and performance. Further functionality and flexibility can be added via a parallel file system to create a high performance and dynamic storage solution for more complex environments.

For more information on the Boston Flash-IO Talyn family and Excelero NVMesh please visit: www.boston.co.uk/talyn.aspx

SYSTEM SPECIFICATIONS

MODEL	TALYN UTILITY	TALYN CAPACITY	TALYN PERFORMANCE
FORM FACTOR	1U (Single Node)	2U (Single Node)	2U (Four Nodes)
COMPUTE RESOURCE	2x Intel® Xeon® Skylake-SP CPUs	2x Intel® Xeon® Skylake-SP CPUs	8x Intel® Xeon® Skylake-SP CPUs (2 Per Node)
DRIVE SUPPORT	Up to 10x U.2 NVMe Devices	Up to 24x U.2 NVMe Devices	Up to 24x U.2 NVMe Devices (6 Per Node)
CAPACITY	Up To 110TB RAW with 11TB Micron 9200 Series NVMe	Up To 264TB RAW with 11TB Micron 9200 Series NVMe	Up To 264TB RAW with 11TB Micron 9200 Series NVMe
THROUGHPUT	Up to 24GB/s (Configuration Dependent)	Up to 24GB/s (Configuration Dependent)	Up to 96GB/s (Configuration Dependent)
IOPS	Up to 6 Million IOPS (Configuration Dependent)	Up to 6 Million IOPS (Configuration Dependent)	Up to 24 Million IOPS (Configuration Dependent)
LATENCY	<100µs	<100µs	<100µs
NETWORK CONNECTIVITY	Up to 2x Mellanox 100Gbps IB/Ethernet Ports	Up to 2x Mellanox 100Gbps IB/Ethernet Ports	Up to 8x Mellanox 100Gbps IB/Ethernet Ports
NVME SOFTWARE RAID	RAID 0, 1, 10 Support	RAID 0, 1, 10 Support	RAID 0, 1, 10 Support

*Price per system & a limit of three systems per customer. Please contact us to discuss your requirements.