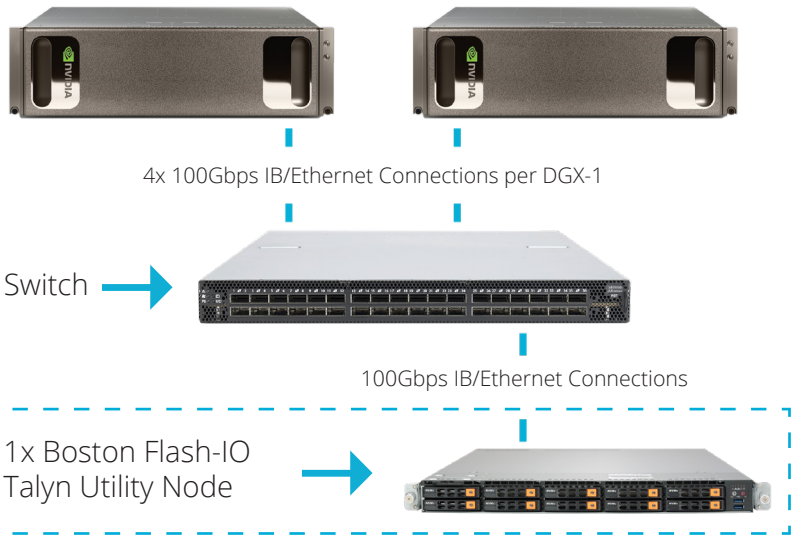
BOSTON
Servers | Storage | Solutions

## KEY FEATURES

- 100Gbit fabric
- Up to 110TB of RAID 0
- Featuring AMD® EYPC™
- 100µs latency
- Converged and Disaggregated Architectures
- Low CPU overhead due to RDMA offload.

### SINGLE NODE DEPLOYMENT (DATA CACHE)




Excelero AMD Micron SUPERMICRO Mellanox TECHNOLOGIES

# BOSTON FLASH-IO TALYN® UTILITY

## ACCELERATE YOUR AI COMPUTING WITH SCALABLE NVME STORAGE

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. 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.

Based on a Supermicro® server and powered by a single AMD EPYC processor - this is the perfect platform for NVMe over fabrics. 128 PCI-E Generation 3 Lanes help to take full advantage of all 10 NVMe drive bays with native PCI-Express bandwidth, and allows for up to 2 100Gbit ETH/IB links without contention.

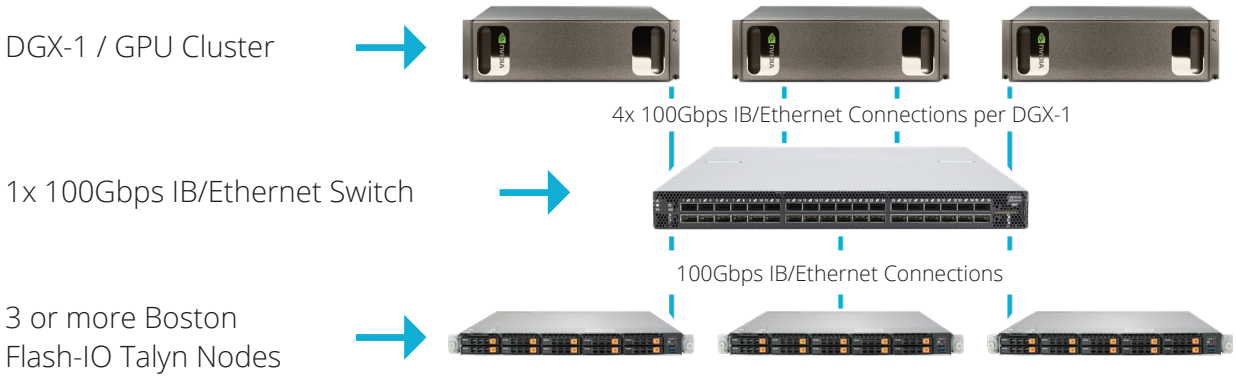
**NETWORKING**
We have a range of switches and transceivers. Get in touch with our sales team to discuss your requirements.

**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.

*Parallel file system may be required, speak to our experts for a custom configuation

## 3 NODE DEPLOYMENT (WITH DATA PROTECTION)




The Flash-IO Talyn Utility, also provides not just a suitable platform for a converged architecture but with its single EPYC processor that can provide up to 32 cores and up to 4TB of DDR4, Hyper converged deployment options give you the freedom to run NVMesh on Centos, Ubuntu, SUSE, along with your applications, maximising asset use.

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 | 1x AMD® EPYC™ | 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 72GB/s (Configuration Dependent) |
| IOPS | Up to 5 Million IOPS (Configuration Dependent) | Up to 5 Million IOPS (Configuration Dependent) | Up to 20 Million IOPS (Configuration Dependent) |
| LATENCY | <100µs | <100µs | <100µs |
| NETWORK CONNECTIVITY | Up to 4x Mellanox 100Gbps IB/Ethernet Ports | Up to 4x Mellanox 100Gbps IB/Ethernet Ports | Up to 16x Mellanox 100Gbps IB/Ethernet Ports |
| NVMe SOFTWARE RAID | RAID 0, 1, 10 Support | RAID 0, 1, 10 Support | RAID 0, 1, 10 Support |

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