

Executive Summary

Modern data architecture needs:
Deliver a new generation of intelligent SSD solutions that takes the concept of Compute to Data efficiently and cost effectively.

Constant performance growth:
Design a solution that scales performance easily by adding more capacity.

Optimal Investment: Deliver solutions with the lowest Watts Per TB rating in the industry.

In-Situ Processing eliminating the need to move data to main memory prior to processing.

Elastic FTL supports the ever changing availability of current and future NVMe device specifications

Installed in **Hours** instead of days

Independently scale storage and server capacity

Configurable architecture:
Incorporate revolutionary "at storage" hardware acceleration putting the computational capability into the storage itself and eliminating the need to move data to main memory prior to processing

Data availability: The controller integrates advanced error correction capability and offers the highest volumetric density available.

No additional expensive license cost

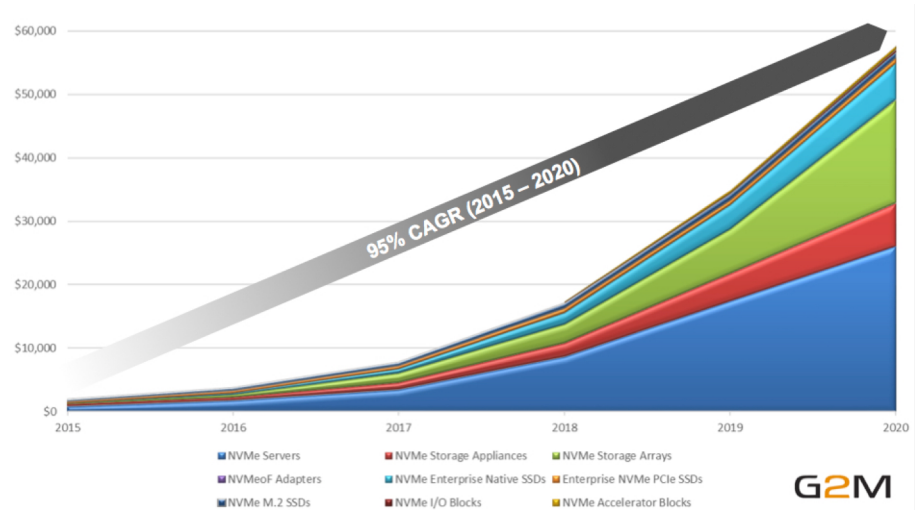
No additional performance impact

www.nvmestorage.com

NVMestorage Vision: Performance never stops

Today's storage array's will disappear completely. The traditional performance differentiator is no longer on IOPS and Capacity and Data services and next gen storage devices will be decoupled. Storage Area Networks will be convert to direct attached and compute scaled architectures. Traditional IT sales blocks innovation for customers and IT procurement will move to online orientation and purchasing.

That's why we believe that tomorrow's storage, needs to be investigate, compared and purchased differently.



NVMe Market at \$57 Billion by 2020 With 95% CAGR – G2M Research

When looking for speed to address the needs of low-latency and high-transactional workloads, the answer often falls to solid-state storage. Whether being an all-flash array, a hybrid array, or a server-side product. However, traditional storage architectures that offer flash capacity, will still fail in delivering infrastructure flexibility and data intelligence. NVMe based solutions are more likely to address modern IT needs.

Current storage demands are tidily coupled to a desire to transition to a "modern" data storage architecture. The paradigm shift as the business requires constant grow in performance and unlimited capacity, where on the other hand the IT budget declines year over year and today's storage solutions need overprovisioning to meet performance sla's.

NVMestorage solutions satisfy these demands using award winning technologies of NGD systems technologies to incorporate revolutionary "at storage" hardware acceleration by putting the computational capability into the storage itself and eliminating the need to move data to main memory prior to processing.

This evolutionary step forward enables new paradigms in Big Data Analytics processing:

- Distributed Processing
- Processing Capability scales with Storage Capacity
- IO Intensive Applications
- Opportunity for Heterogeneous Computing
 - HW Acceleration
 - Embedded Artificial Intelligence
 - Machine Learning

Too many choices out there

Customers are getting confused easily. There are already a lot of hardware and software vendors out there promising fabulous solutions. Facts and features can be misleading. The more advanced data services a storage solution have, the more impact this have on the performance. The number of hops between the storage device and application determines the response time.

That is why we compare on facts, features, real performance and applicability of the solutions

NVMestorage helps customers to validate their needs and compare the variety of flash solutions to design a new modern data architecture solution that will change the conversation of the importance of processing data to structurally impact business values. It delivers a solution 10x faster to applications for processing data than current flash based storage systems. Roadblocks will be eliminated as the need to move data to main memory prior to processing no longer resides. Without centralized and performance consuming in relevant functionalities, business applications will run simply much faster.

Get more business value out of your Datacenter



Accelerate Application Response Time – Provides servers with client centric data capabilities at nearly identical latencies as if they were accessing local memory; increasing application performance.



Eliminate overprovisioning – Enterprise-class SSDs are enabled by an in-house designed SoC controller that employs the highest performance host interface with the most advanced NVM storage technology and takes distributed processing to the extreme by performing it as close to where the data resides as possible.



Scalability – Expand your current infrastructure one node at a time to reduce overprovisioning; Independently scale server and storage resources to match workload demands and improve efficiency to match workload demands and improve efficiency. Easily scales from 10s to 100s of TB Flash deployments.



Operational Efficiency – Integrates easily in existing enterprise environments. Reduce the footprint and overall cost of high performance data needs to less than \$2.00 per GB



Data Availability– The controller integrates advanced error correction capability and offers the highest volumetric density available.

We believe “Performance never stops”.

Please contact us to for additional information.

NVMestorage.com

Website: www.nvmestorage.com

e-mail: info@nvmestorage.com

Address

James Wattstraat 100
1097 DM Amsterdam

PO Box 51298

1007 EG Amsterdam



Inform yourself on NVMe applications on business, financial and technical level consolidated in one page



Compare solutions based on validated and comparable facts and figures and build your shortlist



Request a quote, provided and negotiated by NVMestorage and select your preferred installation



NVMestorage.com
Breaking through limitations