



Developing Semiconductors Since 1959

- Headquarters in Aliso Viejo, California
- ~4,800 Employees
- \$1.7B FY16 Revenue Forecast
- End Market Focus:
 - Aerospace & Defense
 - Communications
 - Industrial
 - Datacenter















#1 Market Segment Share
Aerospace & Defense Semiconductors





Co-Inventor & Market Leader
Power over Ethernet



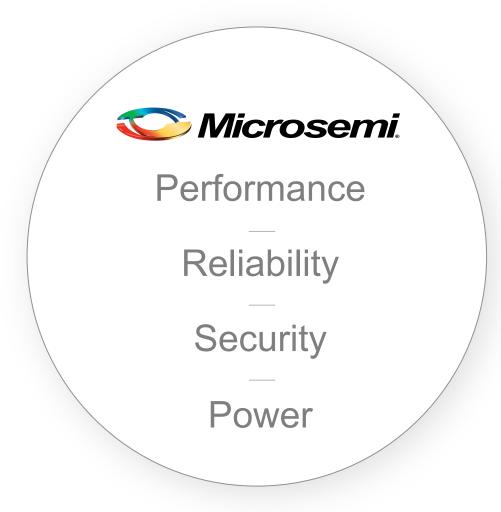


World Leader in Precise Timing Solutions 60%+ Worldwide Market Segment Share in Sync for Commercial Applications



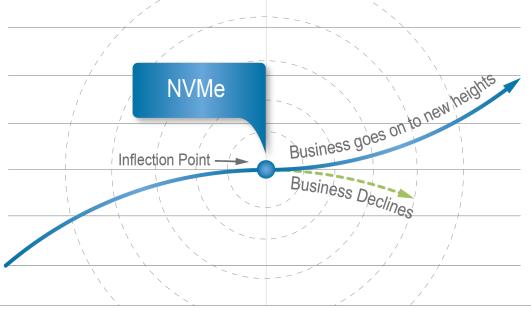








Inflection Point





...a strategic inflection point is a time in the life of business when its fundamentals are about to change. That change can mean an opportunity to rise to new heights. — Andy Grove

Early Adopters of PCIe in Storage



Few players, and no standards to drive volume economics - i.e. proprietary.



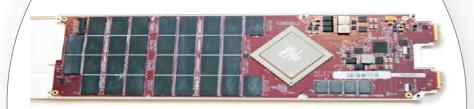
Flash Memory Summit 2014





Flashtec NVMe1032 SSD Controller

EMC DSSD D5







The SSD controllers are also compatible with numerous types of NAND, such as MLC, SLC and TLC NAND with either ONFI or Toggle interfaces. This affords...a broad range of options for flash vendors, which is important to ensure...access to competitively priced flash.

www.tomsitpro.com/articles/emc-dssd-d5-rack-scale-flash,1-3266.html



Radian Memory Systems RMS-325





Microsemi Flashtec™ NVRAM Drive





Microsemi Flashtec™ Momentum

- Enterprise NVMe SSD, Hyperscale SSD, and All Flash Array SSD
- Add-In Card, 2.5", and Custom Form Factors
- 5 of 6 NAND Manufacturers Used









Microsemi Announces Production Release of Second Generation High Performance Flashtec NVMe Controllers (NVMe2032/NVMe2016)

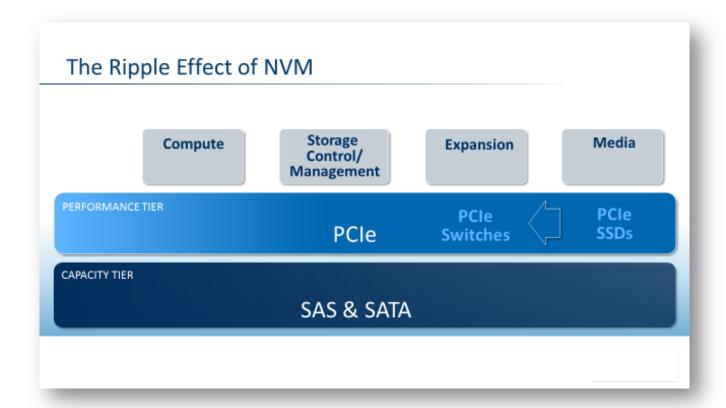
Devices Part of Company's Product Showcase at Flash Memory Summit Aug. 9-11 in Santa Clara, California







Flash Memory Summit 2015







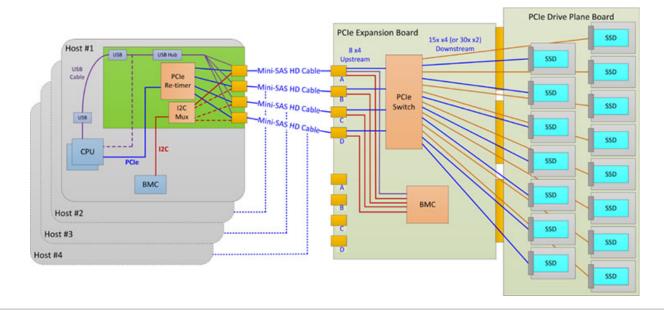


Introducing Lightning: A flexible NVMe JBOF

Source: https://code.facebook.com/posts/989638804458007/introducing-lightning-a-flexible-nvme-jbof/



facebook



...we want the NVMe JBOF to behave like a SAS JBOD...

https://code.facebook.com/posts/989638804458007/introducing-lightning-a-flexible-nvme-jbof/



















Microsemi Provides the Industry's Highest Density, Lowest Power PCIe Switch for Data Center, Communications, Defense and Industrial Applications

Switchtec PFX Enables High-Reliability PCIe Solutions







How Can We Bend the Curve?

- Broadly-adopted Standards
- Cost-Effective NVMe SSDs
- Systems Infrastructure



Workgroup Continues to Grow

- The Workgroup has gone from 61 to 115 members in under 2 years
- Direction and governance led by a 12 company Board of Directors





























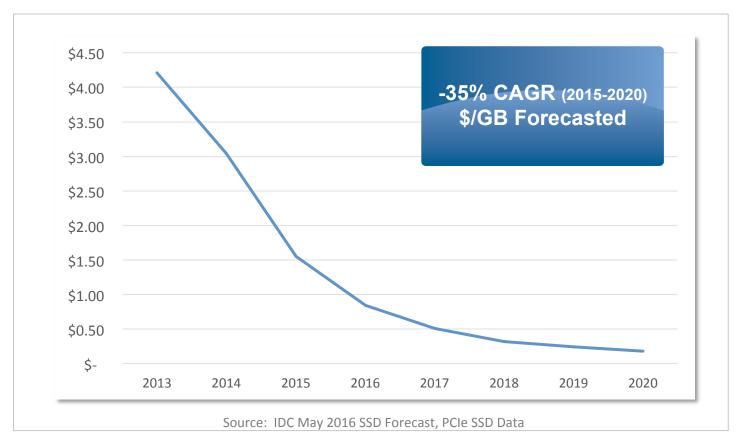
Standards, Standards

- NVM Express Standard Variants
 - Base Specification

 Adding SRIOV and Other Enhancements
 - Enclosure Management (NVMe-MI)
 Addressing Enclosure Management
 - NVMe Over Fabrics (NVMe-oF)
 Demonstrating Interoperability



Enterprise NVMe SSD Pricing Forecast







Microsemi Extends Flashtec Product Line with NVMe Controllers Optimized for Mainstream, High-Capacity Enterprise and Data Center SSDs

New Devices to be Showcased at Flash Memory Summit Aug. 9-11 in Santa Clara, California







Systems Infrastructure

- NVMe SSDs
- Servers with
 U.2-enabled Drive Bays
- JBOFs
- RAID Solutions
- NVMe over Fabrics





What's Next to Drive the NVMe Inflection?



Broadly-adopted Standards



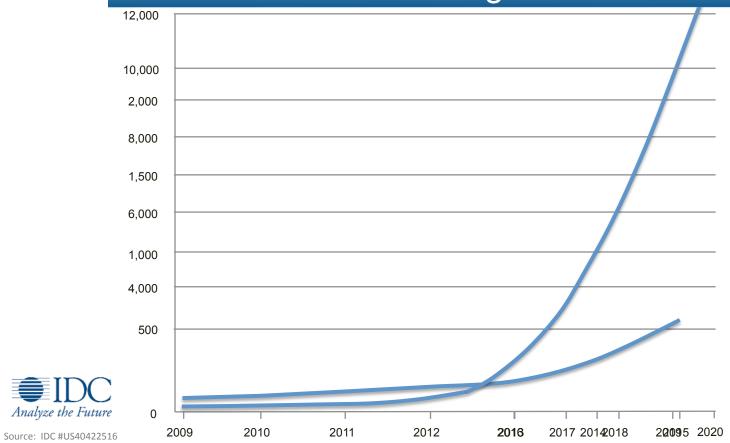
Cost-Effective NVMe SSDs



Systems Infrastructure



We're Just Getting Started



Microsemi.

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Visit us at Booth # 213
to experience how Microsemi is
accelerating the NVMe Inflection

