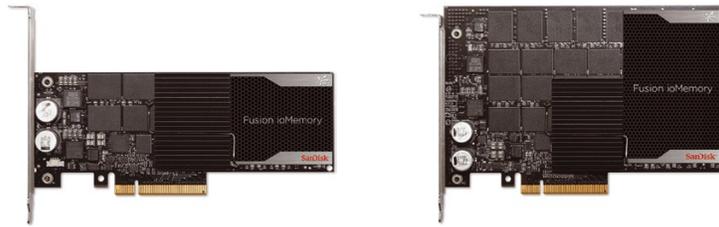


# ENTERPRISE AND ENTERPRISE VALUE IO3 FLASH ADAPTERS

Aligning performance and endurance with workload requirements



## ADDRESS THE BOTTLENECK

Technology advancements such as multi-core processors and high-speed interconnects have enabled more processing power in servers. However, this has created new challenges. One of those challenges is to address the bottlenecks in the computing system due to lower performance of mechanical hard drives in disk arrays or controllers. Storage architectures such as solid-state drive- (SSD) based PCIe adapters help to address this challenge.

## DO MORE FASTER

Engineered for application acceleration through innovative software advancements, the third-generation Fusion-io flash adapters for System x® deliver much higher performance than typical solid-state devices at a fraction of the cost and space, making it a perfect fit for a broad range of applications. These new flash adapters deliver twice the capacity of the previous generation, up to 6.4 TB, while also delivering increased performance and one of the fastest write performances of any flash medium currently in the market.

## ALIGNING PERFORMANCE

The Enterprise and Enterprise Value io3 PCIe Flash Adapters are designed for the application of solid-state storage to web-scale and cloud data centers. Delivering high-speed, low latency, and high efficiency, the new line of flash adapters brings scalable and optimized performance to distributed architectures at low cost.

## BENEFITS

Benefits of the Enterprise and Enterprise Value io3 PCIe Flash Adapters include:

- Highest density of up to 6.4 TB of flash memory
- High performance design for ultimate application acceleration for database, VDI, cloud, Hyperscale, and big data.
- Investment protection
- Ease of use

## WHY LENOVO

Lenovo is the leading provider of x86 systems for the data center. The portfolio includes rack, tower, blade, dense and converged systems, and supports enterprise class performance, reliability and security. Lenovo also offers a full range of networking, storage, software and solutions, and comprehensive services supporting business needs throughout the IT lifecycle.

# SPECIFICATIONS

	Enterprise io3 Flash Adapters	Enterprise Value io3 Flash Adapters
<b>PART NUMBER</b>	00AE995 1000 GB Enterprise io3 Flash Adapter 00AE998 1300 GB Enterprise io3 Flash Adapter 00JY001 2600 GB Enterprise io3 Flash Adapter 00JY004 5200 GB Enterprise io3 Flash Adapter	00AE983 1250 GB Enterprise Value io3 Flash Adapter 00AE986 1600 GB Enterprise Value io3 Flash Adapter 00AE989 3200 GB Enterprise Value io3 Flash Adapter 00AE992 6400 GB Enterprise Value io3 Flash Adapter
<b>BUS INTERFACE</b>	PCIe 2.0 x8	
<b>ENDURANCE (PBW)</b>	12 (1 TB), 16 (1.3 TB), 32 (2.6 TB), 64 (5.2 TB)	4 PBW to 22 PBW
<b>USABLE CAPACITIES</b>	1 TB, 1.3 TB, 2.6 TB, 5.2 TB	1.25 TB, 1.6 TB, 3.2 TB, 6.4 TB
<b>RAN. READ IOPS (4K)</b>	196,000 (1 TB), 235,000 (1.3 TB), 350,000 (2.6 TB), 285,000 (5.2 TB)	196,000 (1.25 TB), 235,000 (1.6 TB), 350,000 (3.2 TB), 285,000 (6.4 TB)
<b>RAN. WRITE IOPS (4K)</b>	330,000 (1 TB), 375,000 (1.3 TB), 385,000(2.6 TB, 5.2 TB)	330,000 (1.25 TB), 375,000 (1.6 TB), 385,000(3.2 TB, 6.4 TB)
<b>READ ACCESS LATENCY</b>	92µs	
<b>WRITE ACCESS LATENCY</b>	15µs	
<b>BUS INTERFACE</b>	PCIe 2.0 x8	
<b>ENDURANCE (PBW)</b>	12 (1 TB), 16 (1.3 TB), 32 (2.6 TB), 64 (5.2 TB)	4 (1.25 TB), 5.5 (1.6 TB), 11 (3.2 TB), 22 (6.4 TB)
<b>WEIGHT</b>	5.2 ounces (1 TB, 1.3 TB, 2.6 TB), 7.25 ounces (5.2 TB)	5.2 ounces (1.25 TB, 1.6 TB, 3.2 TB) 7.25 ounces (6.4 TB)
<b>FORM FACTOR</b>	Low profile (1 TB, 1.3 TB, 2.6 TB), Standard height, half-length (5.2 TB)	Low profile (1.25 TB, 1.6 TB, 3.2 TB), Standard height, half-length (6.4 TB)
<b>WARRANTY</b>	1 year	

## FOR MORE INFORMATION

To learn more about the Enterprise and Enterprise Value io3 Flash Adapters, contact your Lenovo representative or Business Partner or visit [lenovo.com/systems](http://lenovo.com/systems)

**NEED STORAGE?**

Learn more about Lenovo Storage  
[lenovo.com/systems/storage](http://lenovo.com/systems/storage)

**NEED SERVICES?**

Learn more about Lenovo Services  
[lenovo.com/services](http://lenovo.com/services)

© 2015 Lenovo. All rights reserved.

**Availability:** Offers, prices, specifications and availability may change without notice. Lenovo is not responsible for photographic or typographic errors. **Warranty:** For a copy of applicable warranties, write to: Warranty Information, 500 Park Offices Drive, RTP, NC, 27709, Attn: Dept. ZPYA/B600. Lenovo makes no representation or warranty regarding third-party products or services. **Trademarks:** Lenovo, the Lenovo logo, System x, ThinkServer are trademarks or registered trademarks of Lenovo. Microsoft and Windows are registered trademarks of Microsoft Corporation. Intel, the Intel logo, Intel Core, Core Inside, Xeon and Xeon Inside are registered trademarks of Intel Corporation in the U.S. and other countries. Other company, product, and service names may be trademarks or service marks of others. Visit [www.lenovo.com/lenovo/us/en/safecomp.html](http://www.lenovo.com/lenovo/us/en/safecomp.html) periodically for the latest information on safe and effective computing.

IBM x86 products are now products of Lenovo in the U.S. and other countries. Learn more at [ibm.com/lenovo-acquisition](http://ibm.com/lenovo-acquisition)