



## SPC BENCHMARK 1™

### EXECUTIVE SUMMARY

# LENOVO THINKSYSTEM DS6200

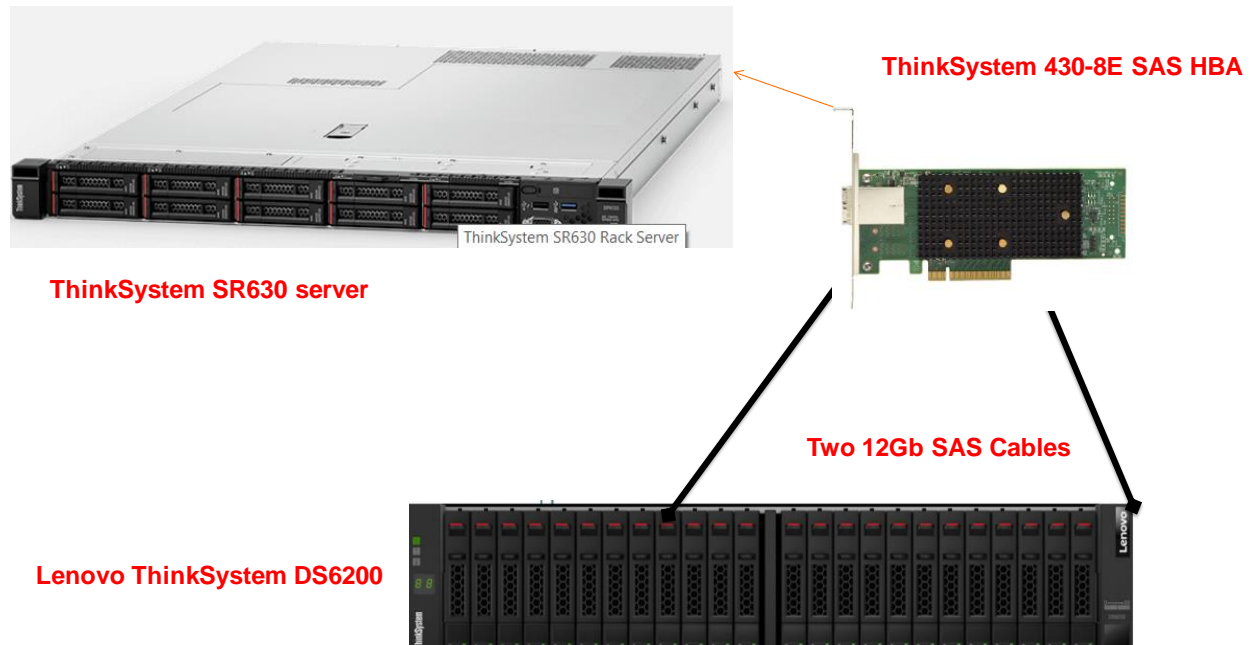
<b>SPC-1 IOPS™</b>	<b>180,006</b>
<b>SPC-1 Price-Performance™</b>	<b>\$93.29/SPC-1 KIOPS™</b>
SPC-1 IOPS™ Response Time	0.518 ms
SPC-1 Overall Response Time	0.344 ms
SPC-1 ASU Capacity	2,267 GB
SPC-1 ASU Price	\$7.41/GB
SPC-1 Total System Price	\$16,791.99
Data Protection Level	Protected 1 (RAID-10)
Physical Storage Capacity	4,800 GB
Pricing Currency / Target Country	U.S. Dollars / USA

### SPC-1 V3.6

**SUBMISSION IDENTIFIER: A32006**

**SUBMITTED FOR REVIEW: MAY 17, 2018**

## Benchmark Configuration Diagram



## Tested Storage Product Description

The Lenovo ThinkSystem DS6200 SAN array is performance optimized for deployment in the datacenter to run your mission critical workloads. Offering 50% greater performance than the DS4200, the DS6200 is powered by a Rapid Data Placement Engine and provides industry-leading price/performance and scalability, along with high availability.

With extreme flexibility and impressive performance and capacity, the DS6200 helps you tame the storage monster. Using 3.5-inch (LFF) or 2.5-inch (SFF) HDDs and SSDs, the DS6200 supports up to 240 drives (using 9 expansion units) or 276 drives using (3) D3284 High Density Enclosures, as well as mixing LFF and SFF enclosures in the same array.

The Lenovo ThinkSystem DS6200 is designed for mission critical workloads running in the datacenter with performance and value in mind, and equipped with enterprise-class features, the DS6200 is designed to fit your needs now and into the future.

## Priced Storage Configuration Components

<b>1 x ThinkSystem 430-8E SAS HBA</b>
<b>1 x ThinkSystem DS6200, with:</b>
<b>2 x Storage Controllers</b>
<b>16 GB cache (32 GB total)</b>
<b>4 x 12 Gb SAS Front End Ports</b>
<b>1 x 12 Gb SAS Back End Connection</b>
<b>12 x 400 GB SSD</b>

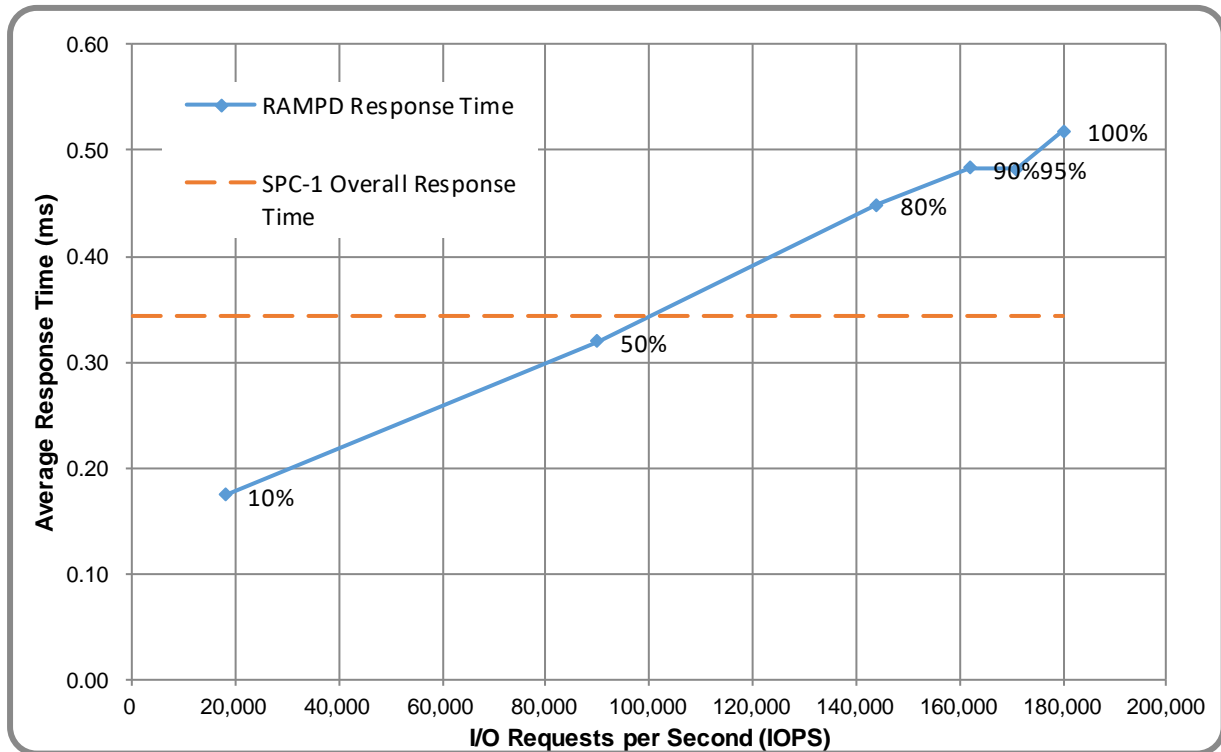
## Storage Configuration Pricing

Part No.	Description	Source	Qty	Unit Price	Ext. Price	Disc.	Disc. Price
<b>Hardware &amp; Software</b>							
4619A21	ThinkSystem DS6200 SFF SAS Dual Controller Unit	1	1	11,499.00	11,499.00	45%	6,324.45
01DC462	Lenovo Storage 400GB 10DWD 2.5" SAS SSD	1	12	1,599.00	19,188.00	52%	9,210.24
00YL847	External MiniSAS HD 8644/MiniSAS HD 8644 .5M	1	2	49.00	98.00	45%	53.90
7Y37A01090	ThinkSystem 430-8E SAS HBA	1	1	499.00	499.00	45%	274.45
<b>Hardware &amp; Software Subtotal</b>							<b>15,863.04</b>
<b>Support &amp; Maintenance</b>							
01JR529	3Yr 24x7 4Hr Response	1	1	1,689.00	1,689.00	45%	928.95
<b>Support &amp; Maintenance Subtotal</b>							<b>928.95</b>
<b>SPC-1 Total System Price</b>							<b>16,791.99</b>
SPC-1 IOPS™							180,006
<b>SPC-1 Price-Performance™ (\$/SPC-1 KIOPS™)</b>							<b>93.29</b>
SPC-1 ASU Capacity (GB)							2,267
<b>SPC-1 ASU Price (\$/GB)</b>							<b>7.41</b>

**Discount Details:** The discounts shown are based on the storage capacity purchased and are generally available.

**Availability Date:** Currently available.

### Response Time and Throughput Graph



Contact Information	
<b>Test Sponsor Primary Contact</b>	Lenovo – <a href="http://www3.lenovo.com/us/en/data-center/">http://www3.lenovo.com/us/en/data-center/</a> Shawn Andrews – sandrews@lenovo.com
<b>SPC Auditor</b>	InfoSizing – <a href="http://www.sizing.com">www.sizing.com</a> Doug Johnson – doug@sizing.com

Revision Information	
<b>SPC Benchmark 1™ Revision</b>	V3.6
<b>SPC-1 Workload Generator Revision</b>	v3.0.2-1-g823a
<b>Publication Revision History</b>	Initial Publication