



SPC BENCHMARK 1™

EXECUTIVE SUMMARY

HUAWEI TECHNOLOGIES CO., LTD HUAWEI OCEANSTOR 5300 V5

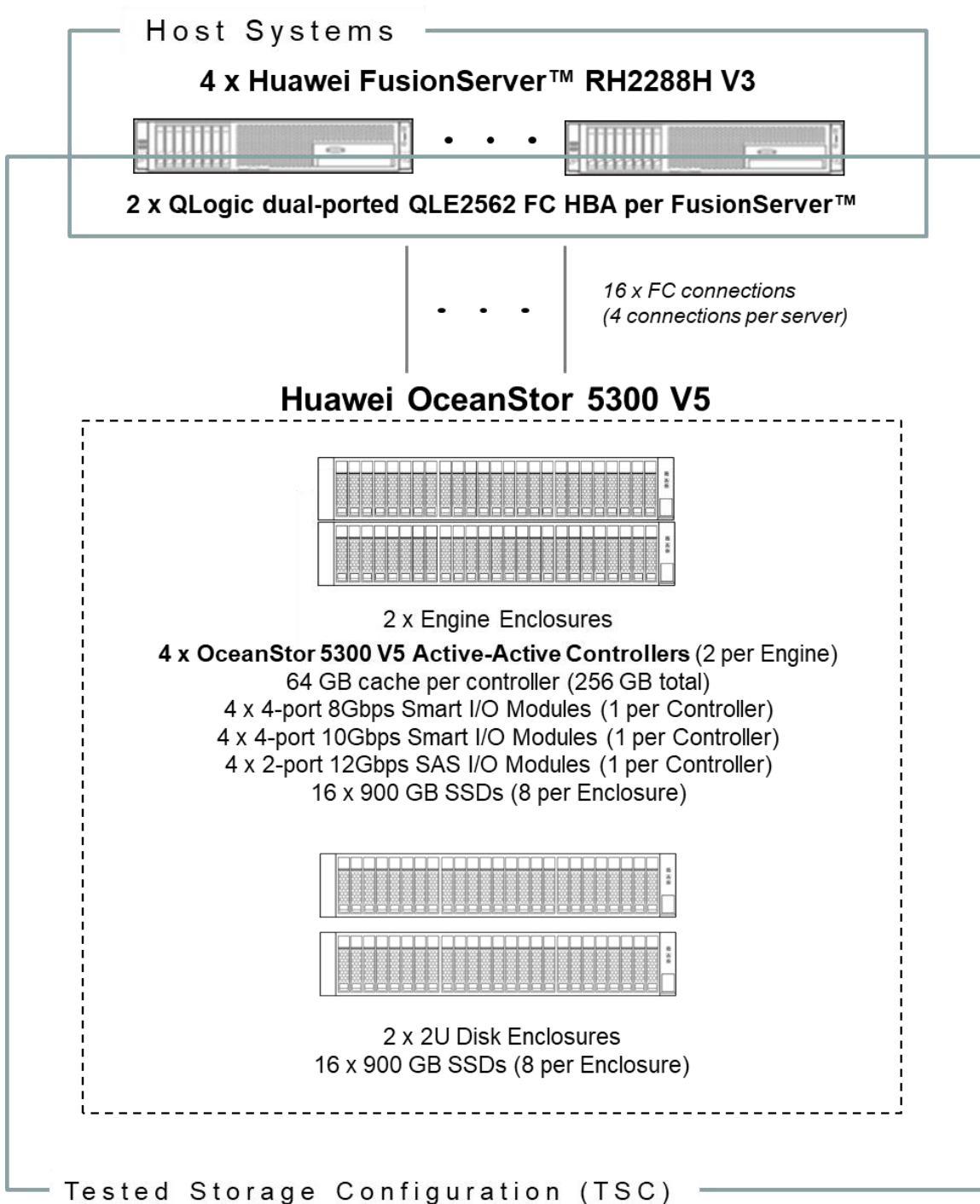
SPC-1 IOPS™	450,212
SPC-1 Price-Performance™	\$416.27/SPC-1 KIOPS™
SPC-1 IOPS™ Response Time	0.577 ms
SPC-1 Overall Response Time	0.409 ms
SPC-1 ASU Capacity	11,768 GB
SPC-1 ASU Price	\$15.93/GB
SPC-1 Total System Price	\$187,405.32
Data Protection Level	Protected 2 (RAID-10)
Physical Storage Capacity	28,640 GB
Pricing Currency / Target Country	U.S. Dollars / USA

SPC-1 V3.7

SUBMISSION IDENTIFIER: A31015

SUBMITTED FOR REVIEW: AUGUST 28, 2018

Benchmark Configuration Diagram



Tested Storage Product Description

The new generation of mid-range hybrid flash storage, dedicated to providing the reliable and efficient data services for enterprises.

Cloud-ready operating system, flash-enabled performance, and intelligent management software, delivering top-of-the-line functionality, performance, efficiency, reliability, and ease of use.

Satisfies the data storage requirements of large-database OLTP/OLAP, cloud computing, and many other applications, making it a perfect choice for sectors such as government, finance, telecommunications, and manufacturing.

For more details, visit:

<http://e.huawei.com/en/products/cloud-computing-dc/storage/massive-storage/5300-5500-5600-5800-v5>

Priced Storage Configuration Components

8 x QLogic dual-ported QLE2562 FC HBA
4 x OceanStor 5300 V5 Active-Active Controllers (2 per enclosure), each with: <ul style="list-style-type: none">64 GB cache (256 GB total)4 x 4-port 8Gbps Smart I/O Modules4 x 4-port 10Gbps Smart I/O Modules4 x 2-port 12Gbps SAS I/O Modules
2 x System enclosures, each with: <ul style="list-style-type: none">8 x 900 GB SSDs (16 total)
2 x 2U Disk enclosures, each with: <ul style="list-style-type: none">8 x 900 GB SSDs (16 total)

Storage Configuration Pricing

	Description	Qty	Unit Price	Ext. Price	Disc.	Disc. Price
Hardware & Software						
53V5-128G-AC2-8FC	5300 V5(2U, Dual Ctrl, AC\240V HVDC, 128GB, SmartIO, 8*8Gb FC, 4 Port 4*12Gbps SAS, 25*2.5", SPE34C0225)	2	53,768.00	107,536.00	68%	34,411.52
SMARTIO10ETH	4 port SmartIO I/O module (SFP+, 10Gb Eth/FCoE (VN2VF)/Scale-out)	4	6,288.00	25,152.00	68%	8,048.64
HSSD-900G2S-A6	900GB SSD SAS Disk Unit (2.5")	32	9,096.00	291,072.00	70%	87,321.60
DAE52525U2-AC-A2	Disk Enclosure (2U, AC\240HVDC, 2.5", Expanding Module, 25 Disk Slots, without Disk Unit, DAE52525U2)	2	10,584.00	21,168.00	68%	6,773.76
N8GHBA000	QLOGIC QLE2562 HBA Card, PCIE, 8Gbps DualPort , Fiber Channel Multimode LC Optic Interface, English Manual, No Drive CD	8	1,698.00	13,584.00	0%	13,584.00
SN2F01FCPC	Patch Cord, DLC/PC, DLC/PC, Multi-mode, 3m, A1a.2, 2mm, 42mm DLC, OM3 bending insensitive	16	14.00	224.00	0%	224.00
LIC-55V5-BS	Basic Software License for Block (Including Device Manager, SmartThin, SmartMulti-tenant, SmartMigration, SmartErase, SmartMotion, UltraPath and SystemReporter)	1	8,676.00	8,676.00	70%	2,602.80
Hardware & Software Subtotal						152,966.32
Support & Maintenance						
02352FEC-88134ULF-36	5300 V5(2U, Dual Ctrl, AC\240V HVDC, 128GB, SmartIO, 8*8Gb FC, 4 Port 4*12Gbps SAS, 25*2.5", SPE34C0225&2"Disk Enclosure-2U, AC\240HVDC,2.5", DAE52525U2&16*900GB SSD SAS Disk Unit(2.5")) - Hi-Care Onsite Premier 24x7x4H Engineer Onsite Service-36Month(s)	2	9,734.00	19,468.00	0%	19,468.00
88034JVV-88134UHK-36	Basic Software License(Including DeviceManager, SmartThin, SmartMulti-tenant, SmartMigration, SmartErase, SmartMotion, SystemReporter, eService, SmartQuota, NFS, CIFS, NDMP, UltraPath) - Hi-Care Application Software Upgrade Support Service-36Month(s)	1	1,926.00	1,926.00	0%	1,926.00
8812153243	OceanStor 5300 V5 Installation Service - Engineering	1	13,045.00	13,045.00	0%	13,045.00
Support & Maintenance Subtotal						34,439.00
SPC-1 Total System Price						187,405.32
SPC-1 IOPS™						450,212
SPC-1 Price-Performance™ (\$/SPC-1 KIOPS™)						416.27
SPC-1 ASU Capacity (GB)						11,768
SPC-1 ASU Price (\$/GB)						15.93

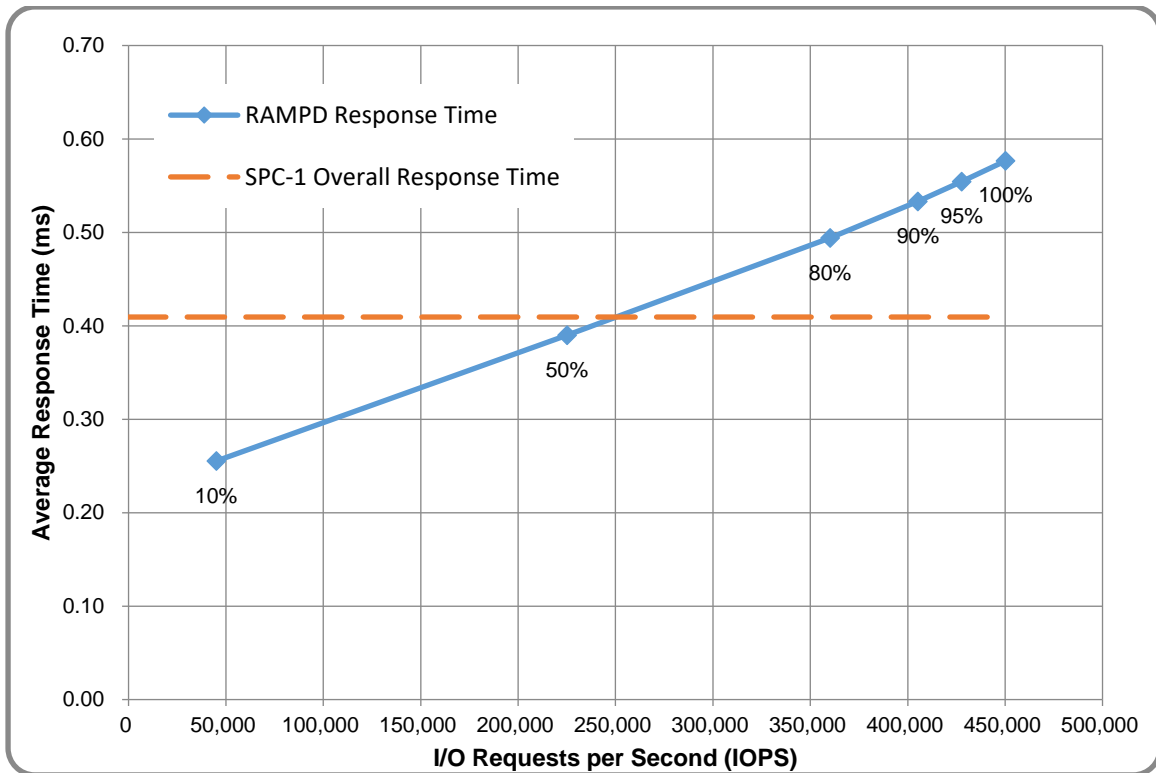
Third-Party Reseller: Huawei Technologies Co., Ltd. only sells its products to third-party resellers who, in turn, sell those products to U.S. customers. The above reflects the pricing quoted by one of those third-party resellers. See Appendix B of the Full Disclosure Report for a copy of the third-party reseller's quotation.

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

Warranty: Hi-Care Premier On-Site Service include: 7x24 Technical Assistance Center Access. Access to all new software updates and Online Support. 24x7 with 4-hour On-site Hardware Replacement.

Availability Date: Currently available.

Response Time and Throughput Graph



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Revision Information	
SPC Benchmark 1™ Revision	V3.7.0
SPC-1 Workload Generator Revision	V3.0.2-1 build g823a
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