



SPC BENCHMARK 1™

EXECUTIVE SUMMARY

FUJITSU LIMITED ETERNUS AF650 S3

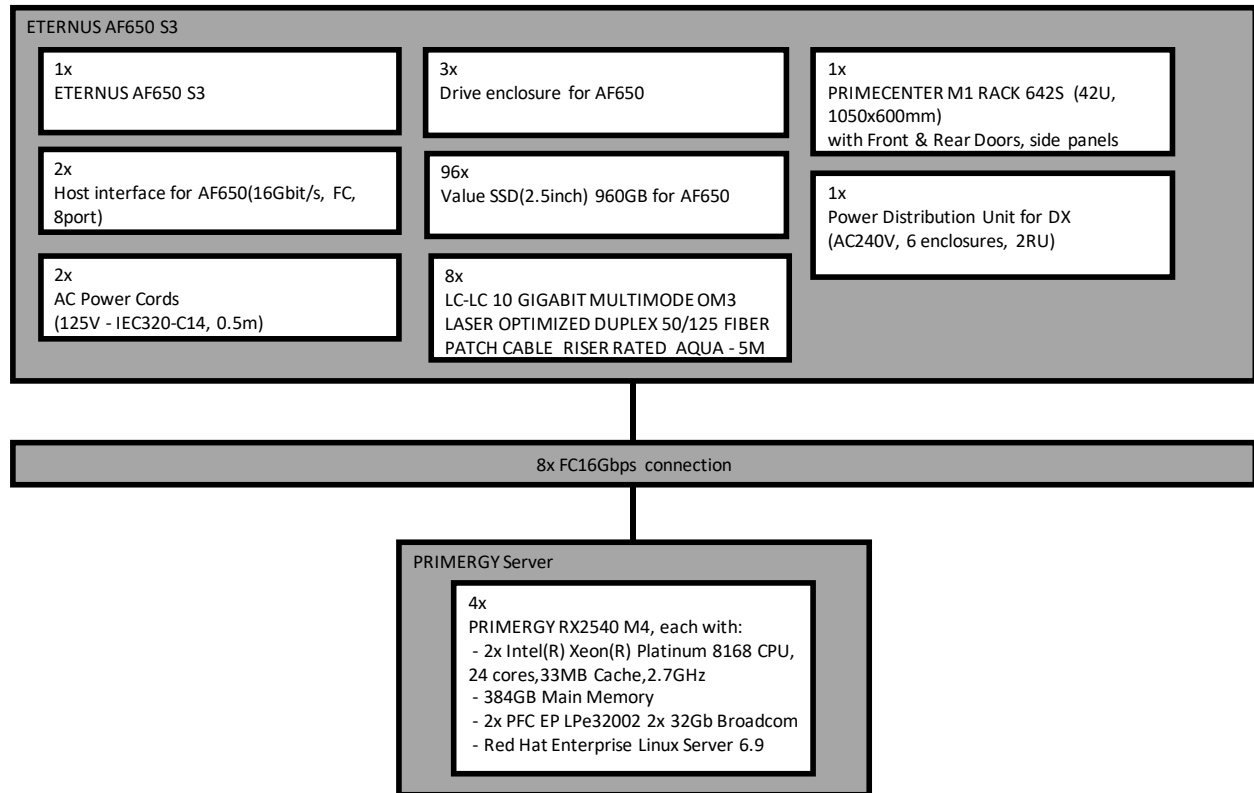
SPC-1 IOPS™	800,140
SPC-1 Price-Performance™	\$255.09/SPC-1 KIOPS™
SPC-1 IOPS™ Response Time	0.308 ms
SPC-1 Overall Response Time	0.203 ms
SPC-1 ASU Capacity	33,137 GB
SPC-1 Space Effectiveness Ratio	NA
SPC-1 ASU Price	\$6.16/GB
SPC-1 Total System Price	\$204,099.88
Data Protection Level	Protected 2 (RAID1)
Physical Storage Capacity	92,160 GB
Pricing Currency / Target Country	U.S. Dollars / USA

SPC-1 V3.8.0

SUBMISSION IDENTIFIER: A32010

SUBMITTED FOR REVIEW: NOVEMBER 5, 2019

Benchmark Configuration Diagram



Tested Storage Product Description

The Fujitsu Storage ETERNUS AF650 S3 delivers leading storage performance and automated quality of service management, enabling a maximum of system utilization and contributing to a fast ROI. It is the perfect solution when consolidating data of large-scale databases, business-critical applications and business analytics / big data – all into one all-flash system. Extensive high-availability and disaster recovery capabilities make ETERNUS AF650 an ideal storage system for any business data.

For additional details, please visit:

<https://www.fujitsu.com/global/products/computing/storage/all-flash-arrays/eternus-af650-s3/>

Priced Storage Configuration Components

8x Emulex LightPulse LPe32002-M2 2-Port 32Gb Fibre Channel Adapter
1x ETERNUS AF650 S3 with: <ul style="list-style-type: none">1x Controller Enclosure Module with:<ul style="list-style-type: none">2x Control Module, each with:<ul style="list-style-type: none">384 GB cache1x Channel Adapter with:<ul style="list-style-type: none">4x 16 Gbps Fibre Channel Host Ports96x 960 GB SSD Storage Devices (without Hot Spare)

Storage Configuration Pricing

Part No.	Description	Source	Qty	Unit Price	Ext. Price	Disc.	Disc. Price
Hardware & Software							
ET653SAU	ETERNUS AF650 S3	1	1	49,030.00	49,030.00	53%	23,044.10
ETREADAU	Drive enclosure for AF650 S3(2.5inch)	1	3	4,700.00	14,100.00	53%	6,627.00
ETRHH8A	Host interface for AF650 S3(16Gbit/s, FC, 8port)	1	1	8,310.00	8,310.00	53%	3,905.70
ETRS92	Value SSD(2.5inch) 960GB x12 for AF650 S3	1	8	40,200.00	321,600.00	53%	151,152.00
S26361-F4994-L502	PFC EP LPe32002 2x 32Gb Broadcom	1	8	1,368.00	10,944.00	53%	5,143.68
ETRKC15U	AC100/200V Power Cord for AF650 S3, DX500/DX600/DX900 S5(IEC60320 C14, 1.5m)	1	4	150.00	600.00	53%	282.00
ETRP48U	Power distribution unit for AF650 S3, DX500/DX600/DX900 S5(AC24A/200-240V, 2U, 16Outlets)	1	1	1,870.00	1,870.00	53%	878.90
ETRRASU	19-inch rack (Standard door, 2000mm, Base rack with stabilizers)	1	1	4,070.00	4,070.00	53%	1,912.90
13-61-343827-003	Custom Fibre Host interface cable 3m LC-LC Crossed Polarity Duplex MM-50/125um; 3.0mm; Riser rated; OM3; Aqua Jacket	1	8	80.00	640.00	53%	300.80
Hardware & Software Subtotal							193,247.08
Support & Maintenance							
	ETERNUS AF650 Warranty, 36 Months, Basic Level, 12x5 Phone Support, 9x5 NBD Onsite	1	1	0.00	0.00	0%	0.00
	ETERNUS AF650 Warranty Uplift, 36 Months, Enhanced Plus Level, 24x7 4hr Onsite, Prepaid billing	1	1	13,566.00	13,566.00	20%	10,852.80
Support & Maintenance Subtotal							10,852.80
SPC-1 Total System Price							204,099.88
SPC-1 IOPS™							800,140
SPC-1 Price-Performance™ (\$/SPC-1 KIOPS™)							255.09
SPC-1 ASU Capacity (GB)							33,137
SPC-1 ASU Price (\$/GB)							6.16

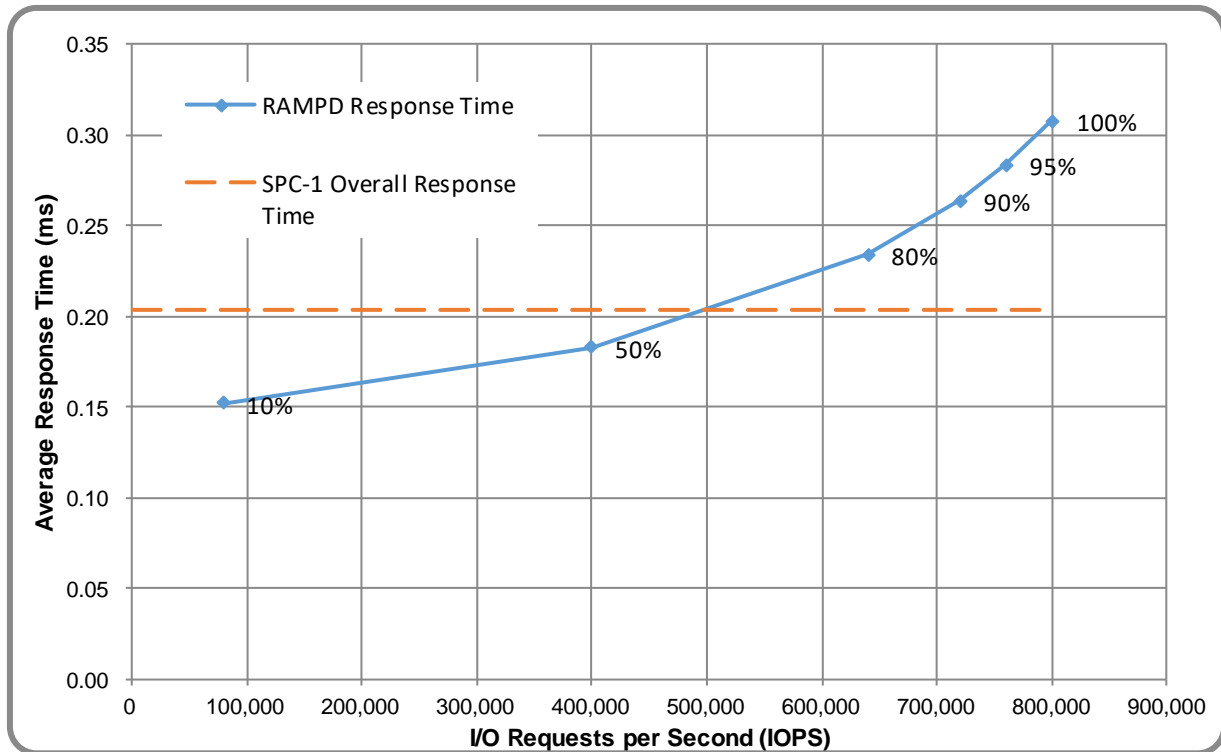
Pricing Sources: 1 = Fujitsu

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

Warranty: The 3-year maintenance and support included in the above pricing meets or exceeds a 24x7 coverage with a 4-hour response time.

Availability Date: November 5, 2019.

Response Time and Throughput Graph



Contact Information	
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Revision Information	
SPC Benchmark 1™ Revision	V3.8.0
SPC-1 Workload Generator Revision	v3.0.2-1-g823a
Publication Revision History	Initial Publication