



# SPC BENCHMARK 1<sup>TM</sup>

## **EXECUTIVE SUMMARY**

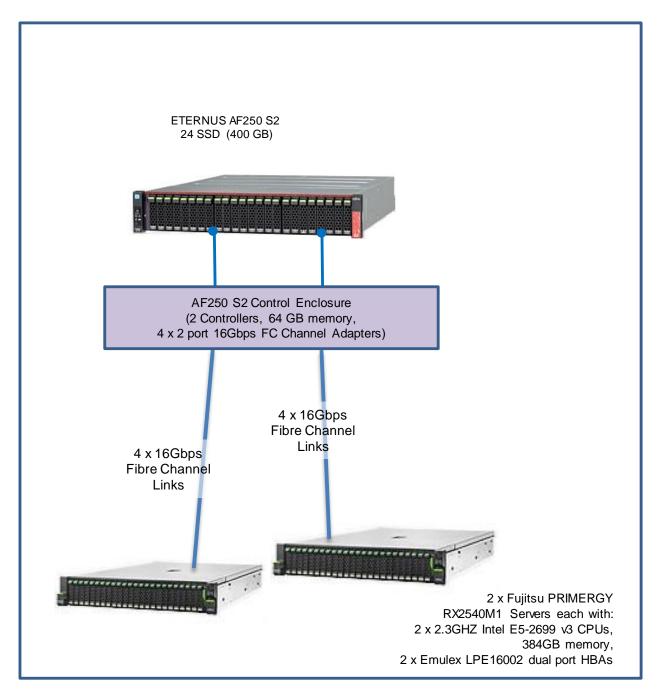
# FUJITSU LIMITED ETERNUS AF250 S2

SPC-1 IOPS™	360,070		
SPC-1 Price-Performance™	\$94.02/SPC-1 KIOPS™		
SPC-1 IOPS™ Response Time	0.673 ms		
SPC-1 Overall Response Time	0.361 ms		
SPC-1 ASU Capacity	3,435 GB		
SPC-1 ASU Price	\$9.86/GB		
SPC-1 Total System Price	\$33,851.38		
Data Protection Level	Protected 2 (RAID1)		
Physical Storage Capacity	9,600 GB		
Pricing Currency / Target Country	U.S. Dollars / USA		

#### SPC-1 V3.5.0

SUBMISSION IDENTIFIER: A32003 SUBMITTED FOR REVIEW: NOVEMBER 5, 2017





### **Tested Storage Product Description**

The ETERNUS AF250 S2 is the ideal choice for application scenarios with demanding data and performance requirements. The system delivers impressive IOPS performance with lowest latency even at full load. Thus it offers a solution that resolves all performance issues in critical applications – such as real-time business analytics or VDI environments - without requiring any complicated tuning. It also fits best as general purpose storage for all Tier-1 applications in small and mid-sized companies.

### **Priced Storage Configuration Components**

4 x Emulex LPE16002 dual port 16 Gb Fibre Channel HBAs 1 x AF250 S2, with: 2 x Controller Modules (CM) each with: 32 GB cache (64 GB total) 2 x Channel Adapter (CA) with 2 x 16 Gbps Fibre Channel Host Ports 24 x 400 GB SSD devices (without Hot Spare)

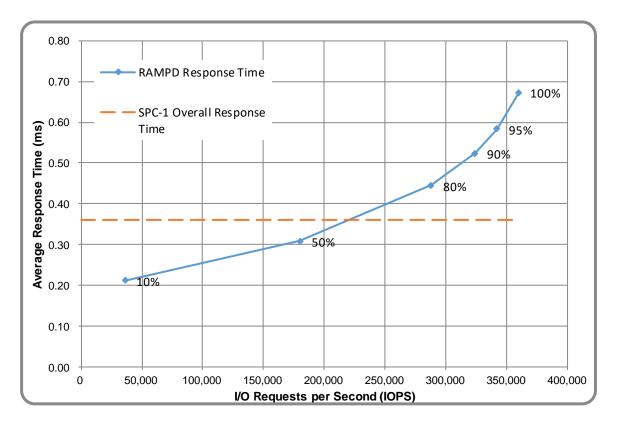
	Description	Qty	Unit Price	Ext. Price	Disc.	Disc. Price
Hardware						
ET252CU	ETERNUS AF250 S2	1	15,575	15,575	45%	8,596.21
ETVHHFA	Host interface for AF250 S2(16Gbit/s, FC, 4port)	2	3,140	6,280	45%	3,466.08
ETVSAF1	Value SSD(2.5inch) 400GB x1 for AF250 S2	24	1,270	30,480	45%	16,822.63
S26361-F4994- L502	PFC EP LPe16002	4	1,418	5,672	45%	3,130.51
ETFKC05U	AC Power Cords(125V - IEC320-C14, 0.5m)	2	80	160	45%	88.31
61-343827-003	Fibre Channel Host IF Cable LC/LC - 3m	8	132	1,056	45%	582.83
				Hardw	are Subtotal	32,686.57
	Support & Ma	aintenance				
	Provide 24 hour per day / 7days per week 4 hour response maintenance for 36 months					
ETAF25-W025360-AED	ETERNUS AF250 Warranty, 36 Months, Standard Level, 9x5 Phone Support, NBD Response	1	0	0	20%	0.00
ETAF25-U004361-AED	ETERNUS AF250 Warranty Uplift, 36 Months, Enhanced Plus Level, 24x7 4hr Onsite, Prepaid billing	1	1,456	1,456	20%	1,164.80
Support & Maintenance Subtotal						1,164.80
SPC-1 Total System Price					33,851.38	
SPC-1 IOPS™					360,070	
SPC-1 Price-Performance™ (\$/SPC-1 KIOPS™)					94.02	
SPC-1 ASU Capacity (GB)					3,435	
SPC-1 ASU Price (\$/GB)					9.86	

### **Storage Configuration Pricing**

**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: January 23, 2018.



## **Response Time and Throughput Graph**

Contact Information			
Test Sponsor Primary Contact	Fujitsu Limited – http://www.fujitsu.com/services/computing/storage Kun Katsumata – kkatsumata@us.fujitsu.com		
SPC Auditor	InfoSizing – <u>www.sizing.com</u> Doug Johnson – doug@sizing.com		

Revision Information					
SPC Benchmark 1™ Revision	V3.5.0				
SPC-1 Workload Generator Revision	v 03.00.2551				
Publication Revision History	<ul> <li>First Edition: November 5, 2017</li> <li>Second Edition: February 15, 2018         <ul> <li>Updated SPC-1 Price-Performance™ metric based on SPC-1 v3.6.0 definition.</li> </ul> </li> <li>Third Edition: April 17, 2018         <ul> <li>Operated Section Performance</li> </ul> </li> </ul>				
	<ul> <li>Correct Committed Data Persistence Implementation description.</li> </ul>				