

Data Sheet

FUJITSU Storage ETERNUS® AF250 S3 All-Flash Array

Storage Unchained



ETERNUS AF Storage

FUJITSU Storage ETERNUS AF series are incredibly fast and flexible all-flash storage systems for the next-generation data center. At an affordable price point, it makes flash the new normal for all tier-1 applications in enterprise IT. Response times are ultra-low – in fact, they set performance records. The ETERNUS AF is also built to be smart, with easily configurable automated quality of service to ensure each app gets the performance it needs, plus flexible deduplication and compression that can be turned on when required – and off when not. It keeps data safe with full-fledged DR with mirroring and automated transparent failover.

ETERNUS AF250 S3

The Fujitsu Storage ETERNUS AF250 S3 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.



Features & Benefits

Main Features	Benefits
Based on ETERNUS DX standard architecture	■ Performance optimized design ■ Proven and mature technology ■ System availability of 99.9999% ■ Common management across all-flash and hybrid ETERNUS storage systems
Flexible and flash optimized storage	■ Ultra-low response times for all applications ■ Massive increase of IOPS ■ No complicated tuning measures required ■ Scalable in capacity and connectivity
Selective use of deduplication / compression	■ Decide on volume label whether to use it or not ■ Cost reduction for flash ■ Increased lifespan of flash
Automated Quality-of-Service	■ Control of applications priorities according to business needs. ■ Automation of monitoring and adjustment ■ Minimization of admin efforts ■ Ensured service levels
Storage Cluster Option/Transparent failover	■ Avoid planned or unplanned downtimes ■ Enjoy 100% data insurance and non-stop operations
Convincing access performance and latency ■ Random access performance: Up to 600,000 IOPS (8 KB Blocks) ■ Sequential access performance: Max. 11 GB/s (128 KB Blocks) ■ Latency: Less than 1 ms (4 KB Blocks)	■ Sufficient performance for all applications requiring high data rates and low response times

Technical details

Supported RAID levels	0, 1, 1+0, 5, 5+0, 6, 6+0
Host Interfaces	Fibre Channel (16 Gbit/s, 32Gbit/s) iSCSI (10Gbit/s [10GBASE-SR, 10GBASE-CR, 10GBASE-T])
Mixed host interfaces	Yes
Max. no. of hosts	16
Drive Type	2.5-inch, SSD (30.72TB / 15.36TB / 7.68TB / 3.84TB / 1.92TB / 960GB) 2.5-inch, SSD (FIPS) (7.68TB / 3.84TB / 1.92TB)
Max. no. of RAID groups per system	132
Max. no. of LUNs per RAID group	128
Max. no. of LUNs	3,072
Max. LUN capacity	128 TB
Max. no. of copy generations	512
Deduplication	Yes
Compression	Yes
Performance	
Latency	140µsec (Read), 60µsec (Write)
Sequential access performance	11,000 MB/s (128KB Read) 5,300 MB/s (128KB Write)
Random access performance	600,000 IOPS (8KB Read) 480,000 IOPS (8KB Write)
Performance management	
Automated Storage Tiering	Yes
Quality of Service	Yes
Continuity management	
Storage Cluster	Yes
Remote Copy functionality	Synchronous and asynchronous
Information security management	
Data confidentiality	HTTPS (SSL), SSH, CHAP, Bidirectional CHAP
Data integrity	Data Block Guard, Data Encryption, Cache Protection, Disk Drive Patrol, Global Hot Spare, Dedicated Hot Spare, Copy back less, Drive shield, Fast Recovery
Availability management	
Non-disruptive firmware upgrade	Yes
Hot part replacement	Yes
Capacity management	
Thin Provisioning	Yes
RAID migration	Yes
Hot part expansion	Yes
Management	
Interfaces	Ethernet (1000 Base-T / 100 Base-TX / 10 Base-T)
Supported protocols	SNMP (version1, 2C, 3), SMI-S 1.4
Administration	Web-based graphical user interface, CLI (Command Line Interface), ETERNUS SF
Installation specification	
19" rackmount	Yes
Power voltage	AC 100 - 120 V / AC 200 - 240 V
Power frequency	50 / 60 Hz
Maximum Power Consumption	AC 100 - 120 V: 5,100W [5,210VA]

Installation specification

Maximum Power Consumption	AC 200 - 240 V: 5,100W [5,210VA]
Power phase	Single

Environment

Maximum Heat Generation	AC 100 - 120 V: 18,890: kJ/h AC 200 - 240 V: 18,890: kJ/h
Operating environment	FTS 04230 – Guideline for Data Center (installation specification)
Operating environment link	http://docs.ts.fujitsu.com/dl.aspx?id=589915e9-1bf8-40f7-8ba4-7cac9371f2f0

Compliance

Product safety	UL 60950-1, CSA 60950-1, EN 60950-1, IEC 60950-1, TP TC 004/2011, CNS14336
Electromagnetic Compatibility	FCC Part-15 Subpart B Class A, ICES-003 Class A, EN 55022 (2010), +AI, VCCI Class A, AS/NZS CISPR 22 Class A, CNS13438 (C6357) Class A, KN22
Electromagnetic Immunity	EN 55024
Environmental compliance	RoHS compliant, WEEE compliant
Compliance notes	There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request.
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

Warranty

Warranty period	3 years
Warranty type	Onsite warranty
Warranty Terms & Conditions	https://www.fujitsu.com/us/support/products/computing/server-storage/

Product Support Services - the perfect extension

Support Pack Options	Available in major business areas: 9x5, Next Business Day Onsite Response Time 9x5, 4h Onsite Response Time (depending on country) 24x7, 4h Onsite Response Time (depending on country)
Recommended Service	24x7, Onsite Response Time: 4h
Service Lifecycle	5 years after end of product life
Service Weblink	www.fujitsu.com/services/product-services

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Fujitsu Portfolio

Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to data center solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products

<https://www.fujitsu.com/us/products/computing>

Software

<https://www.fujitsu.com/us/products/software>

More information

Learn more about Fujitsu ETERNUS AF250 S3, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/eternus

Fujitsu green policy innovation

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12-11-2019

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