

Data Sheet

FUJITSU Storage ETERNUS AB6100



ETERNUS AB

FUJITSU Storage ETERNUS AB series is an NVMe ready all-flash storage systems with performance and efficiency of block storage systems offering best in class IOPS. At an affordable price point, it makes flash the new normal for all tier-1 applications in enterprise IT. The ETERNUS AB is also built for optimized integration into existing business critical workloads like Microsoft SQL server, Oracle, SAP, etc. ETERNUS AB series offers enhanced data protection features and improved business value at reduced cost. Finally, a variety of APIs (REST-based), orchestration tools (Ansible), and plug-ins (Splunk, Nagios) are available for managing/monitoring AB Series systems.

ETERNUS AB6100

The ETERNUS AB6100 end-to-end NVMe midrange array delivers high performance in a midrange AB series all-flash array. AB6100 accelerates access to data, so you get value from it faster. The AB6100 doubles the performance of currently available all-flash arrays that use the serial-attached SCSI (SAS) protocol. You can accelerate write IOPS and read/write throughput with an end-to-end NVMe storage platform that is purpose-built for high-performance workloads. The ETERNUS AB6100 all-flash array combines extreme IOPS, response times of less than 100 microseconds, and up to 44GBps of bandwidth with leading, enterprise-proven availability features



Features & Benefits

Main Features	Benefits
Accelerates Business Applications	<ul style="list-style-type: none">■ Accelerate write IOPS and read/write throughput with an end-to-end NVMe storage platform that's purpose-built for high-performance■ Get twice the performance for your high-performance workloads, such as Oracle and BeeGFS, compared to SAS-based all-flash arrays.
Continuous availability	<ul style="list-style-type: none">■ ETERNUS AB6100 storage systems enable you to achieve greater than 99.9999% availability and provide data integrity and security■ Extensive capturing of diagnostic data provides comprehensive fault isolation and simplifies analysis of unanticipated events■ Drive rebuild continues even when an unreadable sector or second failure is encountered
Flexible configuration Options	<ul style="list-style-type: none">■ Enables the automation and agility that are needed in the DevOps-based IT revolution,■ A Linux-based Docker Container service to embed applications on the ETERNUS AB6100. It enables cost-effective converged infrastructure for targeted workloads. Examples include applications related to analytics, video surveillance, and HPC workloads.■ Protects investments in storage networks, the ultradense ETERNUS AB6100 easily addresses ever-changing requirements. Helps meet future demands without forklift upgrades.

Technical details

General system information

	Base
No. of controllers	2
No. of host interfaces	16 Port [FC (8,16,32Gbit/s)] 16 Port [NVMe over FC (32Gbit/s)] 8 Port [NVMe over InfiniBand (100Gbit/s)] 8 Port [NVMe over RoCE (100Gbit/s)]
Maximum System Memory	256 GB
Maximum Disk Drives	24
Supported RAID levels	0, 1, 1+0, 3, 5, 6, DDP
Host Interfaces	FC (8,16,32Gbit/s) NVMe over FC (32Gbit/s) NVMe over InfiniBand (100Gbit/s) NVMe over RoCE (100Gbit/s)
Mixed host interfaces	No
Max. no. of hosts	512
Maximum Storage Capacity	367 TB
Drive Type	2.5-inch, NVMe SSD (3.8TB / 1.9TB) 2.5-inch, NVMe SSD (SED) (15.3TB / 7.6TB / 3.8TB / 1.9TB) 2.5-inch, NVMe SSD (FIPS) (3.8TB)
Drive interface	100G NVMe
Max. no. of RAID groups per system	24
Max. no. of LUNs per RAID group	2,048
Max. no. of LUNs	2,048
Max. LUN capacity	2 PiB
Max. no. of copy generations	128

Performance management

Operation Management Client	Google Chrome 47, Microsoft Internet Explorer 11, Microsoft Edge EdgeHTML 12, Mozilla Firefox 31, Safari 9
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Information security management

Data confidentiality	HTTPS (SSL), SSH, iSER(CHAP, Bidirectional CHAP)
Data integrity	Replace drive logically, Rebuild (DDP Rebuild, hot spare converge works), Cache Protection (Backup method, Backup data, Backup retention time: No limit), Data Encryption (Self encryption disk), Media scan, Data Assurance, T10-PI, Check Volume Redundancy

Availability management

Non-disruptive firmware upgrade	Yes
Hot part replacement	Yes

Capacity management

Reporting function	Yes (Performance, Capacity, host connectivity)
Hot part expansion	Yes
Non-disruptive firmware upgrade	Yes

Management

Interfaces	1Gb Ethernet
Supported protocols	SNMP v2c, REST
Administration	SANtricity System Manager(GUI: Graphical user interface), SMcli(CLI: Command Line Interface), REST API, SANtricity Unified Manager

Supported OS for Management software

Operation Management Client	Google Chrome 47 Microsoft Internet Explorer 11 Microsoft Edge EdgeHTML 12 Mozilla Firefox 31 Safari 9
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Installation specification

19" rackmount	Yes
Power voltage	AC 200 - 240 V
Power frequency	50 / 60 Hz
Maximum Power Consumption	AC 200 - 240 V: Controller Shelf: 979W
Power phase	Single
	Base
Dimensions (W x D x H)	483 x 543 x 87 mm 19 x 21.4 x 3.4 inch 2 U
Weight	27.4 kg (60 lb)

Environment

Maximum Heat Generation	AC 200 - 240 V: AC200 - 240V: 3525[: kJ/h
Temperature (operating)	10 - 35 °C
Humidity (operating)	8 - 80 %

Compliance

Product safety	EN 60950-1, IEC 60950-1, IEC 62368-1, EN 62368-1, CAN/CSA C22.2 No. 62368-1-14, ANSI/UL 62368-1, 2nd Ed
Electromagnetic Compatibility	EN55032, CISPR32, VCCI Class A, AS/NZS CISPR 32:2015, Class A, CNS 13438, TP TC 020/2011
Electromagnetic Immunity	EN 55032, CISPR32, VCCI Class A, AS/NZS CISPR 32:2015, Class A, CNS13438, TP TC 020/2011, KN32
Environmental compliance	RoHS compliant, WEEE compliant
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

Warranty

Warranty period	3 years
Warranty type	Onsite warranty
Warranty Terms & Conditions	www.fujitsu.com/warranty

Product Support Services - the perfect extension

Service Lifecycle	5 years after end of product life
Service Weblink	www.fujitsu.com/services/product-services

Fujitsu products, solutions & services

In addition to FUJITSU ETERNUS AB6100, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio

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

Computing Products

www.fujitsu.com/global/products/computing/

Software

www.fujitsu.com/software/

More information

Learn more about Fujitsu ETERNUS AB6100, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/eternus

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT. Please find further information at <http://www.fujitsu.com/global/about/environment>



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Contact

FUJITSU LIMITED
Website: www.fujitsu.com/eternus
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