FUJITSU

Data Sheet
FUJITSU Storage ETERNUS AB3100

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 AB3100
The ETERNUS AB3100 is an entry-level end-to-end NVMe array offering low latency and affordable high performance to handle your speed-hungry workloads. With the AB3100, you can benefit from the latest NVMe flash technology while connecting via traditional SAN interfaces. It combines extreme IOPS, sub-millisecond latency, and up to 20 Gbps of bandwidth with proven availability features. AB3100 is ideal for medium-sized but demanding workloads, such as enterprise databases, artificial intelligence and machine learning, analytics, streaming media, and parallel file systems

Features & Benefits

Main Features	Benefits
Accelerates Business Applications	■ Accelerate write IOPS and read/write throughput with an end-to-end NVMe storage platform that's purpose-built for high-performance ■ Designed for medium-sized but demanding workloads, such as enterprise databases, artificial intelligence and machine learning, analytics, streaming media, and parallel file systems ■ Fast, simple, and reliable storage that increases performance for big data analytics applications such as Splunk, enabling you to search and analyze data in less time
Continuous availability	■ Designed to have no single point of failure, offering high reliability and high availability ■ 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 found
Flexible configuration Options	■ Affordable storage protects storage investments through the ability to independently scale to 367TB of raw flash capacity with sustained throughput of up to 20GBps ■ Helps IT be more application responsive and agile to business needs

Technical details

Supported RAID levels	0, 1, 1+0, 3, 5, 6, DDP
Host Interfaces	FC (32Gbit/s) NVMe over FC (32Gbit/s) NVMe over InfiniBand (100Gbit/s) NVMe over RoCE (100Gbit/s) iSCSI (10, 25Gbit/s)
Mixed host interfaces	No
Max. no. of hosts	512
Maximum Storage Capacity	367.2 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 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

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

Availability management

Non-disruptive firmware upgrade	Yes
Hot part replacement	Yes

Capacity management

Thin Provisioning	Yes
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 ETERNUS SF Express

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

Installation specification

19" rackmount	Yes
Power voltage	AC200V
Power frequency	50 / 60 Hz
Maximum Power Consumption	AC200V: Controller Shelf: 953W
Power phase	Single

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	AC200V: 3,431: kJ/h
Temperature (operating)	10 - 35 ℃
Humidity (operating)	8 - 80 % (relative humidity)

Compliance

Product safety	EN 60950-1, IEC 60950-1, EN 62368-1, CAN/CSA C22.2 No. 62368-1-14, ANSI/UL 62368-1, 2nd Ed, TP TC 004/2011, CNS14336-1
Electromagnetic Compatibility	EN55032, CISPR32, VCCI Class A, AS/NZS CISPR 32:2015, CNS 13438, TP TC 020/2011
Electromagnetic Immunity	EN 55032, CISPR32, VCCI Class A, AS/NZS CISPR 32:2015, CNS13438, TP TC 020/2011
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 AB3100, 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 AB3100, 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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