Data Sheet
FUJITSU Storage ETERNUS AX2100 All-flash Array

ETERNUS AX

FUJITSU Storage ETERNUS AX series is a collection of unified and massively scale-out all-flash storage systems, designed to enable your digital transformation by offering superior flexibility, continuous availability and seamless cloud-connected data management in Hybrid IT environments. Powered by industry leading NVMe technologies, the ETERNUS AX storage systems accelerate your applications while seamlessly managing your data on the edge, core and the cloud to keep your data available, protected and secure.

ETERNUS AX2100

Fujitsu Storage ETERNUS AX2100 all-flash storage offers simplicity and best value for small and medium-sized enterprises. It delivers industry-leading performance at sub-millisecond latency, capacity density, scalability, security, and network connectivity in a dense form factor. Powered by best-in-class data management software, ETERNUS AX2100 delivers accelerated application performance, continuous availability, and seamless cloud-connected data management in hybrid IT environments. ETERNUS AX2100 is also available as a dedicated, all-flash SAN solution for mission-critical applications. It provides a simplified and dedicated SAN experience with availability, consistent and predictable performance, and cloud connectivity

Features & Benefits

Main Features	Benefits
Flexible and future-proof storage	■ Unified data services across SAN and NAS environments, which can scale capacity and performance non-disruptively and also seamlessly cluster different ETERNUS AX and ETERNUS HX systems.
Seamless cloud-connected data management	■ Consolidate data management across on-premise storage and cloud in Hybrid IT Infrastructures, along with effortless integration with multiple public clouds – AWS, Microsoft Azure and Google Cloud.
Accelerate business applications	■ Drive maximum performance for business-critical workloads using all-flash arrays to increase data throughput for your business-critical applications.
Continuous availability without compromise	■ Best-in-class integrated and application-consistent data protection software to prevent data loss and accelerate recovery with space-efficient snapshots, synchronous and asynchronous replication.
Maximize storage efficiency	■ Innovative data reduction technologies provide incremental space savings to efficiently meet SLAs in hybrid IT environments with secure multitenancy and adaptive quality of service (QoS). Simplify and speed up day-to-day storage management with ONTAP System Manage and optimize your storage infrastructure with predictive analytics using Active IQ.

Technical details

General system information

	Base
No. of controllers	NAS:2-24 (HA Pair x12) SAN:2-12 (HA Pair x6)
No. of host interfaces	8 Port [FC (8, 16Gbit/s)] 8 Port [FCoE (10Gbit/s)] 8 Port [iSCSI (1, 10Gbit/s)] 8 Port [iSCSI (10GBase-T)] 8 Port [Ether (1, 10Gbit/s)] 8 Port [Ether (1, 10GBase-T)]
Maximum System Memory (HA pair)	64 GB
Max. Disk Drives NAS (HA pairx12)	1,728
Max. Disk Drives SAN (HA pairx6)	864
Max. Disk Drives (HA pair)	144
Max. no. of LUNs (HA Pair)	16,384
Max. no. of LUNs (SAN)	98,304
Max. no. of drive enclosures	5
Supported RAID levels	4, 6, TEC
Host Interfaces	FC (8, 16Gbit/s) FCoE (10Gbit/s) iSCSI (1, 10Gbit/s, 10GBASE-T) Ethernet (1, 10Gbit/s, 1, 10GBASE-T)
Mixed host interfaces	Yes
Max. no. of hosts	2048
Maximum Storage Capacity (HA Pair)	2,203.2 TB
Maximum Storage Capacity(NAS)	26.4 PB
Maximum Storage Capacity (SAN)	13.2 PB
Drive Type	2.5-inch, SSD (15.3TB / 7.6TB / 3.8TB / 960GB) 2.5-inch, SSD (FIPS) (3.8TB / 960GB)
Drive interface	12G SAS(MiniSAS HD)
Back-end disk connectivity	4/HA pair
Max. no. of LUNs per RAID group	16,384
Max. LUN capacity	16 TB
Max. no. of copy generations	1,023
Deduplication	Yes
Compression	Yes
Compaction	Yes
Note	AX2100 is also available as a dedicated, all flash SAN solution with additional specifications

Performance management

Quality of Service	Yes
Operation Management Client	Google Chrome 65.0#Microsoft Internet Explorer 11.0#Mozilla Firefox 59.0

Continuity management

Metro cluster	Yes
Remote Copy functionality	Synchronous and asynchronous

Information security management

Data confidentiality	HTTPS (SSL), SSH, iSER(CHAP, Bidirectional CHAP)

Information security management

Data integrity	Rebuild, Cache Protection (Backup method, Backup data, Backup retention time: No limit), Data Encryption (Software Encryption, Storage Encryption, Self encryption disk), Disk Patrol, Data Block Guard, HDD Shield, CheckSum: BCS/AZCS, Pool Diagnosis (CLI Only)

Availability management

Non-disruptive firmware upgrade	Yes
Hot part replacement	Yes

Capacity management

Thin Provisioning	Yes
Reporting function	Yes (capacity, health, performance, and protection relationships)
Hot part expansion	Yes
Non-disruptive firmware upgrade	Yes

Management

Interfaces	1Gb Ethernet
Supported protocols	SNMP v1/v2c/v3, REST, SMI-S
Administration	ONTAP System manager (GUI: Graphical user interface), CLI (Command Line Interface), REST API, Active IQ Unified Manager, SnapCenter

Supported OS for Management software

Operation Management Client	Google Chrome 65.0 Microsoft Internet Explorer 11.0 Mozilla Firefox 59.0

Installation specification

19" rackmount	Yes	
Power voltage	AC200V / AC100V	
Power frequency	50 / 60 Hz	
Maximum Power Consumption	AC200V / AC100V: Controller Shelf: 528W 2U-Drive Shelf: - DS224C: 390W	
Power phase	Single	
	Base	2.5 Drive Shelf
Dimensions (W x D x H)	483 x 483 x 85 mm 19 x 19 x 3.3 inch 2 U	480 x 484 x 85 mm 18.9 x 19.1 x 3.3 inch 2 U
Weight	27.6 kg (61 lb)	24.4 kg (54 lb)

Environment

Maximum Heat Generation	AC200V / AC100V: AC200 - 240V: 105106: kJ/h
Temperature (operating)	5 - 45 ℃
Humidity (operating)	8 - 90 %

Compliance

Product safety	EN 60950-1, IEC 60950-1, CAN/CSA C22.2 No. 60950-1, ANSI/UL 60950-1, TP TC 004/2011, CNS14336-1
Electromagnetic Compatibility	EN55032, CISPR32, VCCI Class A, AS/NZS CISPR 22:2009+A1:2010, AS/NZS CISPR 32:2013, AS/NZS CISPR 32:2015, Class A, CNS 13438, TP TC 020/2011
Electromagnetic Immunity	EN 55032, CISPR32, VCCI Class A, AS/NZS CISPR 22:2009+A1:2010, AS/NZS CISPR 32:2013, 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

Warranty

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

Warranty

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Fujitsu products, solutions & services

In addition to FUJITSU ETERNUS AX2100, 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 AX2100, 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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