

Data Sheet

Fujitsu Storage ETERNUS AX1100 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 AX1100

Fujitsu Storage ETERNUS AX1100 is an affordable all-flash storage system with enterprise-grade features. Featuring a broad application ecosystem support and deep integration for enterprise applications along with leading storage performance and scalability, it comfortably meets diverse business requirements at an affordable price.



Features & Benefits

Main Features	Benefits
Flexible and future-proof storage	<ul style="list-style-type: none">■ 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	<ul style="list-style-type: none">■ 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	<ul style="list-style-type: none">■ Drive maximum performance for business-critical workloads using all-flash arrays to increase data throughput for your business-critical applications.
Continuous availability without compromise	<ul style="list-style-type: none">■ Best-in-class integrated and application-consistent data protection software■ Prevent data loss and accelerate recovery with space-efficient snapshots, synchronous and asynchronous replication
Maximize storage efficiency	<ul style="list-style-type: none">■ 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)	288
Max. Disk Drives SAN (HA pairx6)	144
Max. Disk Drives (HA pair)	24
Max. no. of LUNs (HA Pair)	16,384
Max. no. of LUNs (SAN)	98,304
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)	23 TB
Maximum Storage Capacity(NAS)	276 TB
Maximum Storage Capacity (SAN)	138 TB
Drive Type	2.5-inch, SSD (960GB)
Drive interface	12G SAS(MiniSAS HD)
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

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	No
Remote Copy functionality	Synchronous and asynchronous

Note	The product may in connection with and depending on the specific configuration include elements to support time- and performance-critical applications, however high availability (e.g., 99.9999%) and failsafe performance is not a standalone product feature. If and to the extent the product is to be used in such business-critical environments, it is within the sole responsibility of the user to set up the specific additional technical features (e.g., Storage Cluster), redundancies, and operational conditions as required to ensure such high availability or failsafe performance.
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Information security management

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

Information security management

Note	The properties of the product provide a baseline for product security and therefore end-customer IT security. However, these properties are not sufficient on their own to protect the product from all existing threats, such as intrusion attempts, data exfiltration and other forms of cyberattacks. To customize security settings, please use the configuration options as available for the respective product. During operation, the IT security of this product is within the responsibility of the respective administrator/end-user of the product. Please note, that Fujitsu as a manufacturer does not make any policy prescriptions or advocacy statements regarding IT security best practices and/or general product operation.
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Availability management

Hot part replacement	Yes
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Capacity management

Thin Provisioning	Yes
Reporting function	Yes (capacity, health, performance, and protection relationships)
Hot part expansion	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
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Installation specification

19" rackmount	Yes
Power voltage	AC200-240V/AC100V-120V
Power frequency	50 / 60 Hz
Maximum Power Consumption	AC200-240V/AC100V-120V: Controller Shelf: 507W
Power phase	Single

	Base
Dimensions (W x D x H)	480 x 483 x 85 mm 18.9 x 19 x 3.3 inch 2 U

Weight	27.6 kg (61 lb)
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Note	Numbers do not include Rack Mount Kits. Rack Mount Kits increase the weight by 4 kg.
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Environment

Maximum Heat Generation	AC200-240V/AC100V-120V: 1825: kJ/h
Temperature (operating)	5 - 45 °C
Humidity (operating)	8 - 90 %

Compliance

Product safety	IEC 60950-1, IEC 62368-1, EN 62368-1, ANSI/UL 62368-1, 2nd Ed, CAN/CSA C22.2 No. 62368-1-14, CNS 14336-1, TP TC 004
Electromagnetic Compatibility	EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, FCC Part-15 Subpart B Class A, ICES-003 Class A, VCCI Class A, JIS C 61000-3-2, CNS 13438, AS/NZS CISPR 32 class A, TP TC 020, KN32 Class A, KN35
Electromagnetic Immunity	EN 55035
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 - the perfect extension

Service Lifecycle	at least 5 years after shipment, for details see https://support.ts.fujitsu.com/
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Warranty

Service Weblink

www.fujitsu.com/services/product-services

Fujitsu products, solutions & services

In addition to Fujitsu ETERNUS AX1100, 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 AX1100, 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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Disclaimer

Please note that the data sheet reflects the technical specification with the maximum selection of components for the named system and not the detailed scope of delivery. The scope of delivery is defined by the selection of components at the time of ordering. The product was developed for normal business use.

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