FUJITSU

Fujitsu Storage ETERNUS AX All-Flash Storage and ETERNUS HX Hybrid Storage

Data-Centric Storage

Cloud-connected data storage for Hybrid IT environments

Data-driven organizations seek to thrive, not just survive, in the face of digital disruption. No matter where data is created, located and processed – at the edge, in the cloud or in the data center. ETERNUS AX all-flash storage and ETERNUS HX hybrid storage systems make it very easy to keep all data accurate, timely, complete, cost-effective and accessible.

Leverage the data-centric approach of ETERNUS AX and ETERNUS HX to anticipate the next big trend, collect and analyze web-based details of all your users, transform your supply chain, or even redesign the delivery of healthcare services. Improve customer loyalty, develop innovative products more efficiently and enter new markets faster.

Powered by NetApp ONTAP® data management software, ETERNUS AX and ETERNUS HX storage systems are optimized for easy deployment and operations. They offer unified storage across block and file workloads and All-SAN storage, plus superior flexibility to handle future growth and cloud integration, while also improving the storage efficiency and reliability of IT operations by delivering integrated data protection and security to safeguard your data.

Make your storage management data-centric

Combine different controllers, SSD/HDD sizes and next generation technologies in order to **future proof** your storage investment and **improve TCO.**

Seamlessly manage data across the edge, cloud and on-premises to meet changing business needs.

Accelerate business applications with NVMe, the best choice for even the most demanding workloads.

Ensure continuous availability without compromise with the full suite of integrated and application-consistent data protection software.

Maximize storage efficiency with best-in-class data reduction technologies that offer incremental space savings.

Accelerate your digital transformation journey

Data-centric storage is a crucial building block of digital transformation. With ETERNUS AX All Flash Storage and ETERNUS HX Hybrid Storage systems, you will always have visibility, access, control and performance for your most valuable asset – your data.

ETERNUS AX All-Flash Storage

- Choice of unified data services across SAN and NAS environments and dedicated, all-flash SAN solution for mission-critical applications
- Scale capacity and performance non-disruptively
- Accelerate business applications with industry leading NVMe technologies (end-to-end NVMe on ETERNUS AX2200 and AX4100)
- Consolidated data management across on-premise storage and cloud in Hybrid IT

- Best-in-class integrated and application-consistent data protection software
- Efficiently meet SLAs in Hybrid IT environments with secure multitenancy and adaptive QoS
- Innovative data reduction technologies provide incremental space savings

	AX1100	AX2100	AX2200	AX4100
Max. No. of NAS Controllers	24 (1 HA: 2)	24 (1 HA: 2)	24 (1 HA: 2)	24 (1 HA: 2)
Max. No. of NAS Drives Installed	288 (1 HA: 24) | (SAS-SSD)	1728 (1 HA: 144) | (SAS-SSD)	576 (1 HA: 48) | (NVMe-SSD)	5760 (1 HA: 480) | (NVMe-SSD, SAS-SSD)
Max. System Memory Capacity of NAS	768 GB (1 HA: 64 GB)	768 GB (1 HA: 64 GB)	1536 GB (1 HA: 128 GB)	3072 GB (1 HA: 256 GB)
Max. No. of SAN Controllers	12 (1 HA: 2)	12 (1 HA: 2)	12 (1 HA: 2)	12 (1 HA: 2)
All SAN Array(ASA) system	–	Yes	Yes	Yes
Max. No. of SAN Drives Installed	144 (1 HA: 24) | (SAS-SSD)	864 (1 HA: 144) | (SAS-SSD)	288 (1 HA: 48) | (NVMe-SSD)	2880 (1 HA: 480) | (NVMe-SSD, SAS-SSD)
Max. System Memory Capacity of SAN	384 GB (1 HA: 64 GB)	384 GB (1 HA: 64 GB)	768 GB (1 HA: 128 GB)	1536 GB (1 HA: 256 GB)
Maximum Storage Capacity	276 TB (NAS) | 138 TB (SAN) | 23 TB (HA Pair)	26.4 PB (NAS) | 13.2 PB (SAN) | 2203.2 TB (HA Pair)	8.8 PB (NAS) | 4.4 PB (SAN) | 734 TB (HA Pair)	176.2 PB (NAS) | 88.1 PB (SAN) | 14.6 PB (HA Pair)
Storage protocols supported	FC, FCoE, iSCSI, NFS, pNFS, CIFS/SMB	FC, FCoE, iSCSI, NFS, pNFS, CIFS/SMB	FC, NVMe/FC, iSCSI, NFS, pNFS, CIFS/SMB	FC, NVMe/FC, iSCSI, NFS, pNFS, CIFS/SMB
Host Interface	FC (8/16 G) iSCSI (1/10 G) Ethernet (NAS) (1/10 G)	FC (8/16 G) iSCSI (1/10 G) Ethernet (NAS) (1/10 G)	FC (8/16/32 G) iSCSI (10/25 G)) Ethernet (NAS) (10/25 G)	FC (8/16/32 G) iSCSI (10/25/40/100 G) Ethernet (NAS) (10/25/40/100 G)
Management Software	ONTAP 9.7 or later	ONTAP 9.7 or later	ONTAP 9.8 or later	ONTAP 9.7 or later

Maximum storage capacity depends on the drive offerings. | For more detailed product specifications please refer the product datasheets. |
Note: AX2100, AX2200 and AX4100 are also available as dedicated, all-flash SAN solution with additional specifications.

ETERNUS HX Hybrid Storage

- Achieve a simple and flexible combination of flash and disk media for diverse workloads
- Manage file and block data on a single system
- Scale capacity and performance non-disruptively
- Reduce storage costs with proven data efficiency technologies
- Benefit from effortless integration with multiple public clouds – AWS, Microsoft Azure and Google Cloud
- Safeguard your data with integrated data protection and deliver continuous availability
- Optimize your storage infrastructure with predictive analytics

	HX2100	HX2200	HX6100	
Max. No. of NAS Controllers	24 (1 HA: 2)	24 (1 HA: 2)	24 (1 HA: 2)	
Max. No. of NAS Drives Installed	1728 (1 HA: 144) (SAS, NL-SAS) | (1 HA: 136) (SSD-only)	1728 (1 HA: 144) (SAS, NL-SAS) | (1 HA: 136) (SSD-only)	8640 (1 HA: 720) (SAS, NL-SAS) | (1 HA: 480) (SSD-only)	
Max. System Memory Capacity of NAS	768 GB (1HA: 64 GB)	768 GB (1 HA: 64 GB)	3072 GB (1 HA: 256 GB)	
Max. No. of SAN Controllers	12 (1 HA: 2)	12 (1 HA: 2)	12 (1 HA: 2)	
Max. No. of SAN Drives Installed	864 (1HA: 144) | (SAS, NL-SAS, SAS-SSD)	864 (1 HA: 144) | (SAS, NL-SAS, SAS-SSD)	4320 (1 HA: 720) | (SAS, NL-SAS, SAS-SSD)	
Max. System Memory Capacity of SAN	384 GB (1 HA: 64 GB)	384 GB (1 HA: 64 GB)	1536 GB (1 HA: 256 GB)	
Maximum Storage Capacity	27.6 PB (NAS) | 13.8 PB (SAN) | 2,304 TB (1 HA)	24.5 PB (NAS) | 12.2 PB (SAN) | 2040.8 TB (1 HA)	138 PB (NAS) | 69 PB (SAN) | 11.5 PB (1 HA)	
Storage protocols supported	FC, FCoE, iSCSI, NFS, pNFS, CIFS/SMB	FC, FCoE, iSCSI, NFS, pNFS, CIFS/SMB	FC, iSCSI, NFS, pNFS, CIFS/SMB	
Host Interface	FC (8/16 G) iSCSI (1/10 G) Ethernet (NAS) (1/10 G)	FC (8/16 G) iSCSI (1/10 G) Ethernet (NAS) (1/10 G)	FC (8/16 G) iSCSI (10/25 G) Ethernet (NAS) (10/25 G)	[Optional Host I/O Ports] FC (8/16/32 G) iSCSI (10/25/40/100 G) Ethernet (NAS) (10/25/40/100 G)
Management Software	ONTAP 9.7 or later	ONTAP 9.7 or later	ONTAP 9.7 or later	

Maximum storage capacity depends on the drive offerings. | For more detailed product specifications please refer the product datasheets. | Note: All HA pair specifications are for dual-controller, active-active configurations.

Whatever storage challenge you may have, Fujitsu has the right solution for your data scenario. See more on **www.fujitsu.com/eternus**