Fsas Technologies
a Fujitsu company

ETERNUS AB All-Flash and ETERNUS HB Hybrid Storage

Data-centric Storage

Find your Ikigai in Data with the new ETERNUS AB/HB

In the pursuit of excellence, balance is everything. Just as the Japanese philosophy “Ikigai”, the new ETERNUS AB/HB embodies this harmony in data storage, it finds the ideal balance between performance & cost. ETERNUS AB/HB frees your business from data worries, allowing to focus on your passion, mission, and what truly matters – unlocking new possibilities, optimizing operations, and driving success with confidence.

200%

Performance Increase and Scalability:

- Faster data processsing (4-core)
- Faster data transfer (25G iSCSI)
- Unmatched scalability (Up to 300 max disk)
- 3 x better IOPS
- 3 x better throughput

Simplifiy your digital transformation with the new ETERNUS AB and HB series.

Unlock the full potential of your data with our flexible, NVMe-ready SAN storage systems. Optimize performance for critical applications and databases while benefiting from advanced data protection and significant cost reductions. Future-proof your infrastructure and drive greater business value.

Superior performance and efficiency for workloads where high application responsiveness is crucial

High reliability and availability for workloads where high application responsiveness is crucial

Unmatched flexibility and scalability with easy customization of configurations according to performance and capacity requirements

Learn more about ETERNUS Storage

ETERNUS AB/HB storage makes the difference

In today's digital business landscape, a widely distributed infrastructure at the edge and in the core is essential, especially for data. Data-centric storage is central to this modern infrastructure, offering several key capabilities:

Edge

- Support for real-time analytics close to the hardware device
- Data pre-processing and reduction to reduce bandwidth requirements to data centers
- Key technologies: IoT, AI, 5G, edge data centers
- Factors: high data with low bandwidth, latency, cost, data sovereignty and security

Core

- Flash storage takes center stage
- NVMe/NVMe over fabric
- Integrated data protection
- Data privacy and security
- Provision of usage-based storage services
- Automation

ETERNUS AB All-Flash Storage and ETERNUS HB Hybrid Storage are enterprise SAN solutions designed to deliver reliable, high-performance storage without the complexity and high cost often associated with enterprise systems. These modular, block-based, RAID-only storage systems are extremely scalable and feature software that greatly simplifies configuration and data management.

The latest ETERNUS AB All-Flash and ETERNUS HB Hybrid Storage systems are revolutionizing how organizations manage and utilize their data. Thanks to their flexible architecture and high-speed interfaces, they seamlessly integrate into existing SAN environments, supporting diverse use cases:

For Big Data Analytics, the ETERNUS AB/HB delivers the performance needed to process massive datasets quickly and efficiently.

For High-Performance Computing (HPC), it offers the low latency and high bandwidth essential for demanding simulations and calculations.

In Video Surveillance, it provides the capacity and throughput required to store and analyze high-resolution video streams.

And for Backup & Recovery, it ensures rapid data protection and restoration, minimizing downtime.

Distinctive features of ETERNUS AB and HB

NVMe

The logical choice for modern application environments

- Powerful API for reporting performance at the system and logical component level
- Enables automation and orchestration
- Ensures seamless integration in existing eco systems
- Supported by a strong eco system of partners

Restful API

End-to-end support for NVMe from host to drives

- Reduces total cost of ownership anMakes ETERNUS AB and HB the ideal systems for very demanding and computeintensive enterprise, cloud and edge data environments
- Reduces total cost of ownership and empowers you to drive key lines of business with maximum performance and an infrastructure with a small footprint

Dynamic Disk Pools

Simplified storage management and enhanced resilience

- Significantly reduces rebuild times compared to traditional RAID systems
- Rebuild times can be up to four times faster than previous methods
- Offer better storage utilization than traditional pools
- Provides excellent data protection by reducing exposure to multiple disk failures

Superior performance and ef ficiency

- Ultra-fast response times of less than 100 microseconds
- End-to-end NVMe storage platform purpose-built for high performance
- Extremely scalable secondary cache for the highest operational efficiency

ETERNUS AB All-Flash and HB Hybrid storage systems deliver exceptional performance and efficiency for demanding enterprise, cloud, and edge data environments. Featuring end-to-end NVMe support and ultra-fast response times (under 100 microseconds), these systems offer high power density and workload throughput at an exceptional price/performance ratio. The innovative secondary cache intelligently optimizes read performance by caching frequently accessed data on SSDs, reducing latency and maximizing HDD utilization. This, combined with flexible interfaces and efficient management, significantly reduces TCO and boosts business performance.

High reliability and availability

- Drive encryption does not negatively impact performance
- Nonstop operation if a cable or drive shelf fails
- Fault tolerance – continued I/O even if a drive failure occurs
- Guaranteed validity of all stored data

ETERNUS AB and HB storage systems provide comprehensive data protection for your business. Encryption options, including full-drive encryption (FDE) with AES-256 and FIPS compliance, protect your data from unauthorized access or alteration, without sacrificing performance. Redundant transmission paths and drive configurations ensure continuous operation in the event of hardware failures. To guarantee data integrity, ETERNUS AB and HB systems utilize error-check codes added during data writing and rigorously check data consistency across all transfer paths, ensuring your data remains accurate and reliable.

Unmatched flexibility and scalability

- Configurations easily tailored to performance and capacity requirements
- Support for multiple drive sizes and for a wide range of host interfaces
- Cost-effective options for improving daily operations

ETERNUS AB and HB storage systems offer unmatched flexibility, easily adapting to evolving performance and capacity requirements for workloads like big data analysis and high-performance computing. Support for multiple drive sizes (NVMe, 2.5/3.5-inch SAS), diverse host interfaces (FC, iSCSI, SAS, InfiniBand), and seamless application integration via RESTful APIs ensures maximum adaptability. Furthermore, uSCALE, our consumption-based offering, provides an additional layer of flexibility, allowing you to align storage costs directly with your business needs.

Learn more about uSCALE

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Find your Ikigai in Data

The spirit of Ikigai, true success is found in the balance between purpose and performance. The new ETERNUS AB/HB is more than just a storage system – it's a foundation for focus.

ETERNUS AB/HB storage makes the difference

	Hybrid Storage		All-Flash Storage
			
	HB1300	HB1400	AB2200
No. Of controllers	2	2	2
Max. System memory	64 GB	64 GB	128 GB
Max. Storage capacity	576 TB	194.4 TB	1836 TB
Max. No. Of drives installed	24	48	120
Max. No. Of hosts interfaces	4 port [iSCSI (10/25 Gbit/s)] 8 port [FC (16/32 Gbit/s)] 8 port [iSCSI (10 GBase-T)]	4 port [iSCSI (10/25 Gbit/s)] 8 port [FC (16/32 Gbit/s)] 8 port [iSCSI (10 GBase-T)]	4 port [iSCSI (10/25 Gbit/s)] 8 port [FC (16/32 Gbit/s)] 8 port [iSCSI (10 GBase-T)] 8 port [SAS (12 Gbit/s)]
Drive Interface	SAS	SAS	SAS
Supported RAID	0, 1, 1+0, 3, 5, 6, DDP (Dynamic Disk Pools)	0, 1, 1+0, 3, 5, 6, DDP (Dynamic Disk Pools)	0, 1, 1+0, 3, 5, 6, DDP (Dynamic Disk Pools)
No. Of drive shelves connected	1	1	4

	Hybrid Storage		
			
	HB2400	HB2500	HB2600
No. Of controllers	2	2	2
Max. System memory	128 GB	128 GB	128 GB
Max. Storage capacity	6048 TB	6127.2 TB	7200 TB
Max. No. Of drives installed	252	264	300
Max. No. Of hosts interfaces	4 port [iSCSI (10/25 Gbit/s)] 8 port [FC (16/32 Gbit/s)] 8 port [iSCSI (10 GBase-T)] 8 port [SAS (12 Gbit/s)]	4 port [iSCSI (10/25 Gbit/s)] 8 port [FC (16/32 Gbit/s)] 8 port [iSCSI (10 GBase-T)] 8 port [SAS (12 Gbit/s)]	4 port [iSCSI (10/25 Gbit/s)] 8 port [FC (16/32 Gbit/s)] 8 port [iSCSI (10 GBase-T)] 8 port [SAS (12 Gbit/s)]
Drive Interface	SAS	SAS	SAS
Supported RAID	0, 1, 1+0, 3, 5, 6, DDP (Dynamic Disk Pools)	0, 1, 1+0, 3, 5, 6, DDP (Dynamic Disk Pools)	0, 1, 1+0, 3, 5, 6, DDP (Dynamic Disk Pools)
No. Of drive shelves connected	7 (DED212C only) 4 (mixed)	3	3

Learn more about ETERNUS Storage

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