

Data Sheet

Fujitsu Storage ETERNUS HB1200

ETERNUS HB1200

The ETERNUS HB1200 storage system is ideal for small sized businesses, plus enterprise remote and branch offices with limited hardware expansion and software features. ETERNUS HB1200 offers hybrid SSD and HDD configurations and allows you to gain insights quickly, simply and affordably from a range of mixed workload environments, including data analytics, video surveillance and high performance computing.



Features & Benefits

Main Features	Benefits
	<ul style="list-style-type: none">■ Higher performance with solid-state drives (SSDs) enables the HB1200 to maximize storage density, requiring fewer disks to meet your performance objectives.■ Streamline your IT infrastructure and drive down costs■ Secondary cache feature provides intelligent analytics-based caching capabilities for read intensive workloads■ ETERNUS HB1200 storage systems enable you to achieve greater than 99.9999% availability and provide data integrity and security■ validates data integrity and protects against silent data corruption■ All management tasks are carried out while the storage remains online with complete read/write data access. Storage administrators can make configuration changes and conduct maintenance without disrupting application I/O.■ Background monitoring proactively scans media and tracks drive health against defined thresholds.■ Enables the automation and agility that are needed in the DevOps-based IT revolution■ The ultradense 60-drive system shelf supports up to 720TB in just 4U and is optimal for environments with vast amounts of data and limited floor space, with either 2.5-inch or 3.5-inch drives.■ Industry leading performance and space efficiency to reduce rack space by up to 60%. Its high-efficiency power supplies can lower power and cooling use by up to 40%.

Technical details

General system information

	Base
No. of controllers	2
No. of host interfaces	8 Port [FC (16Gbit/s)] 8 Port [iSCSI (10Gbit/s)] 4 Port [iSCSI (10GBase-T)]
Maximum System Memory	16 GB
Maximum Disk Drives	48
Max. no. of drive enclosures	1
Supported RAID levels	0, 1, 1+0, 3, 5, 6, DDP
Host Interfaces	FC (4, 8, 16Gbit/s) iSCSI (10 Gbit/s, 10 GBASE-T)
Mixed host interfaces	No
Max. no. of hosts	128
Maximum Storage Capacity	194.4 TB
Drive Type	2.5-inch, SAS, 10krpm (1.8TB / 1.2TB) 2.5-inch, SAS (FIPS), 10krpm (1.8TB) 2.5-inch, SSD (3.8TB / 1.9TB) 2.5-inch, SSD (SED) (15.3TB)
Max. no. of SSDs	8
Drive interface	12G SAS(MiniSAS HD)
Back-end disk connectivity	2/Controller
Max. no. of RAID groups per system	24
Max. no. of LUNs per RAID group	256
Max. no. of LUNs	256
Max. LUN capacity	2 PiB
Max. no. of copy generations	128

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Remote Copy functionality	Asynchronous(Optional)
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Data confidentiality	HTTPS (SSL), SSH, iSCSI (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, Check Volume Redundancy

Fast Recovery

Non-disruptive firmware upgrade	Yes
Hot part replacement	Yes

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Thin Provisioning	Yes
Reporting function	Yes (Performance, Capacity, host connectivity)
Hot part expansion	Yes
Non-disruptive firmware upgrade	Yes
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 Management software

Operation Management Client	Google Chrome 47 Microsoft Internet Explorer 11 Microsoft Edge EdgeHTML 12 Mozilla Firefox 31 Safari 9
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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: 674W 2U-Drive Shelf: 452W
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	24.6 kg (54 lb)

Environment

Maximum Heat Generation	AC200-240V/AC100V-120V: 4052: kJ/h
Temperature (operating)	5 - 40 °C
Humidity (operating)	8 - 85 %
Product	HB1200
Model	NAJ-1501
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

In addition to Fujitsu ETERNUS HB1200, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures
With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

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More information

Learn more about Fujitsu ETERNUS HB1200, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/global/products/computing/storage/disk/eternus-hb/hb1200/

Fujitsu green policy innovation

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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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