

Data Sheet

Fujitsu Storage ETERNUS HB1100

ETERNUS HB

FUJITSU Storage ETERNUS HB series is NVMe ready hybrid storage systems with performance and efficiency of block storage systems helping drive business value at a reduced cost. The ETERNUS HB is built for optimized for integration into existing business critical workloads like Microsoft SQL server, Oracle, SAP, etc. In addition to enhanced data protection features, a variety of APIs (REST-based), orchestration tools (Ansible), and plug-ins (Splunk, Nagios) are available for managing/monitoring HB Series systems.

ETERNUS HB1100

The ETERNUS HB1100 storage system is ideal for small sized businesses, plus enterprise remote and branch offices with limited hardware expansion and software features. ETERNUS HB1100 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 |
|-----------------------------------|--|
| Accelerates Business Applications | <ul style="list-style-type: none">■ Higher performance with solid-state drives (SSDs) enables the ETERNUS HB1100 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 |
| Continuous availability | <ul style="list-style-type: none">■ ETERNUS HB1100 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. |
| Flexible configuration Options | <ul style="list-style-type: none">■ 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 | 24 |
| 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 | 432 TB |
| Maximum Storage Capacity HDD | 432 TB |
| Maximum Storage Capacity SSD | 15.2 TB |
| Drive Type | 3.5-inch, Nearline SAS, 7.2krpm (18TB / 12TB / 8TB / 4TB) 3.5-inch, Nearline SAS (FIPS), 7.2krpm (10TB) 3.5-inch, SSD (1.9TB) 3.5-inch, SSD (FIPS) (1.6TB) |
| Max. no. of SSDs | 8 |
| Drive interface | 12G SAS(MiniSAS HD) |
| Back-end disk connectivity | 2/Controller |
| Max. no. of RAID groups per system | 12 |
| Max. no. of LUNs per RAID group | 256 |
| Max. no. of LUNs | 256 |
| Max. LUN capacity | 2 PiB |
| Max. no. of copy generations | 128 |
| Compatibility note | If and to the extent a list of components or certain compatibilities are specified in the product data sheet, these component lists and compatibility specifications are exhaustive. Using deviating or other system components and applications together with the product may but does not necessarily have to lead to compatibility problems. A final statement and/or commitment on the compatibility of such deviating or other system components and applications can only be provided after a corresponding verification through a dedicated compatibility testing. |

Performance management

| | |
|-----------------------------|---|
| Operation Management Client | Google Chrome 47, Microsoft Internet Explorer 11, Microsoft Edge EdgeHTML 12, Mozilla Firefox 31, Safari 9 |
| Note | Use of browser software is subject to proactive acceptance of the respective License Agreements/ EULAs of the Software manufacturer as applicable for the relevant Software whether preinstalled or optional. |

Continuity management

| | |
|---------------------------|---|
| Remote Copy functionality | Asynchronous(Optional) |
| 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. |

Information security management

| | |
|----------------------|---|
| 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 |

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. |
|------|---|

Availability management

| | |
|---------------------------------|-----|
| Non-disruptive firmware upgrade | Yes |
| Hot part replacement | Yes |

Capacity management

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

Management

| | |
|---------------------|--|
| 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 |
|-----------------------------|--|

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: 565W 2U-Drive Shelf: 344W |
| Power phase | Single |
| | Base |
| Dimensions (W x D x H) | 480 x 505 x 87 mm 18.9 x 19.9 x 3.4 inch 2 U |
| Weight | 29.3 kg (65 lb) |
| Note | Numbers do not include Rack Mount Kits. Rack Mount Kits increase the weight by 4 kg. |

Environment

| | |
|-------------------------|------------------------------------|
| Maximum Heat Generation | AC200-240V/AC100V-120V: 3273: kJ/h |
| Temperature (operating) | 5 - 45 °C |
| Humidity (operating) | 8 - 90 % |

Compliance

| | |
|-------------------------------|---|
| Product | HB1100 |
| Model | NAJ-1502 |
| 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 | |
| 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/ |
| Service Weblink | www.fujitsu.com/services/product-services |

Fujitsu products, solutions & services

In addition to Fujitsu ETERNUS HB1100, 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 HB1100, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/global/products/computing/storage/disk/eternus-hb/hb1100/

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>



Copyrights

All rights reserved, including intellectual property rights. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see <https://www.fujitsu.com/global/about/resources/terms/>
Copyright 2024 Fujitsu Limited

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.

Technical data is subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner.

Contact

Fujitsu Limited

Website: www.fujitsu.com/eternus

2024-04-06 WW-EN