FUJITSU

Data Sheet

Fujitsu Storage ETERNUS NU200 Disk System

The all-in-one storage platform

ETERNUS NU - Business-centric Storage

ETERNUS NU series are the ideal hybrid storage for on-premise storage of business-critical data in data centers, branch offices and self-operated IT of SMBs, something every business can afford, with integrated and powerful features for business growth, efficiency and continuity. Latest capacity and performance optimization capabilities contribute to overall business efficiency, outstanding data-safe technologies and all-inclusive encryption guarantee uncompromised business continuity.

ETERNUS NU200

ETERNUS NU200 is the new and unique one storage stack – block, file and object in one – that covers all business requirements – performance, simplicity, costs-efficiency, scalability, data protection and container orchestration. It not only safeguards data against potential loss but also ensures that data backup is always up-to-date, reflecting the most recent changes made to the system. Using ETERNUS NU200 as a match helps customers to sustainably place data wherever it is most efficient. Considering elements such as available storage space, closeness to related data, frequency of data access, and the associated storage costs, it is essential to strategically position data for optimal efficiency.

Features & Benefits

Main Features	Benefits
Performance needs are covered	■ You won't need to worry about performance anymore. ETERNUS NU200 delivers great performance always in line with your business needs – ideal for AI, databases, virtual machines, business applications and media rendering.
Data management gets a lot simpler	■ Speed up important processes with easier, faster, and simpler data management. ETERNUS NU200 allows you to organize your files in a simple and accessible way – ideal for content depots, research data repositories, digital and teach libraries, and file sharing.
Unstructured data will be tamed	■ When latency is reduced, so are complexity and costs. ETERNUS NU200 ensures cost-efficient scaling of unstructured data – ideal for sync & share, media and web content, and sensor data.
Boosting your business resilience	■ ETERNUS NU200's simple management means that compromising on data protection to ensure availability is a thing of the past. Build your resilient business with high data availability, easy backup, archiving, and tape replacement, as well as reliable disaster recovery.

Technical details

General system information

	2.5-inch Controller Enclosure	3.5-inch Controller Enclosure
No. of controllers	2	
No. of host interfaces	4 ports [FC(16Gbit/s)], 8 ports [Ethernet(10Gbit/s, 25Gbit/s)]	
Maximum System Memory	512 GB	512 GB
Maximum Disk Drives	192	96
Max. no. of drive enclosures	7	
Note	Max. disk drives and max. number of drive enclosures depending on type of media and workload.	
Supported RAID levels	Advanced Erasure Coding N+K: variable N=1,2,4,8, K=0 - N*2	
Host Interfaces	FC (16 Gbit/s)	
	FC (32 Gbit/s) - available soon	
	iSCSI (10 GbE / 25 GbE)	
	NVMe over Fabric RDMA & TCP (10 GbE / 25 GbE)	
	NAS (10 GbE / 25 GbE)	
	Object S3 (10 GbE / 25 GbE)	
	iSCSI/NVMe oF/NAS/Object (100 GbE) - available soon	
Mixed host interfaces	Yes	
Max. no. of hosts	25,000	
Supported protocols	NFS (NFSv3), NFS (NFSv4), NFS (NFSv4.1), NFS (NFSv4.2), CIFS (SMB 3.0), CIFS (SMB 3.1), S3	
Maximum Storage Capacity HDD	2,112 TB	
Maximum Storage Capacity SSD	2,949 TB	
Drive Type	3.5-inch, Nearline SAS, 7,200rpm (22TB / 20TB / 18TB / 16TB / 14TB / 12TB / 10TB / 8TB)	
	3.5-inch, Nearline SAS (self-encrypting), 7,200 rpm (18TB / 16TB / 12 TB / 8 TB)	
	3.5-inch, SSD (15.36TB / 7.68TB / 3.84TB / 1.92 TB)	
	3.5-inch, SSD (self-encrypting) (15.36TB / 7.68TB / 3.84TB / 1.92TB)	
	2.5-inch, SSD (15.36TB / 7.68TB / 3.84TB / 1.92 TB)	
	2.5-inch, SSD (self-encrypting) (15.36TB / 7.68TB / 3.84TB / 1.92TB)	
	2.5-inch, SSD, 3DWPD (3.2TB / 1.6TB)	
Max. no. of SSDs	unlimited	
Mixed 2.5 inch/ 3.5 inch drive enclosures	Yes	
Drive interface	Serial Attached SCSI (12 Gbit/s)	
Back-end disk connectivity	1 pair of four-lane x 12 Gbit/s Serial Attached SCSI buses (SAS 3.0 wide)	
No. of snapshots - max.	unlimited	
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.	
Latency		
Note	To the extent that specific performance specifications for the product are indicated in the product data sheet, these are usually also dependent on the specific use and workload of the product and may therefore not be reached equally in all application situations. Such performance specifications thus do not represent a specifically agreed characteristic or feature of the product, but only serves as an orientation. The responsibility for a sufficient sizing of the overall system functionality lies solely with the user.	

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Automated Storage Tiering	Yes	
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.	

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Storage Cluster	Yes	
Remote Copy functionality	Synchronous, asynchronous, and semi-synchronous	

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Data confidentiality	HTTPS (SSL), SSH, CHAP, Bidirectional CHAP, Anomaly detection
Data integrity	Data Encryption (Software Encryption, Storage Encryption, Self encryption disk), S.M.A.R.T
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.

Fast Recovery

Non-disruptive firmware upgrade	Yes
Hot part replacement	Yes

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Thin Provisioning	Yes
Reporting function	Yes
Hot part expansion	Yes
Non-disruptive firmware upgrade	Yes

Interfaces	1Gb Ethernet
Administration	Web-based graphical user interface, CLI (Command Line Interface), REST API

Add-on OS & Software

Operation Management Server	Microsoft® Windows Server® 2022 Microsoft® Windows Server® 2019 SUSE Linux Enterprise Server 15 Red Hat® Enterprise Linux® 9 Red Hat® Enterprise Linux® 8 VMware® ESXi 8.0 U2 VMware® ESXi 8.0 U1 VMware® ESXi 7.0 U3
Note	Use of certified or supported operating systems and virtualization software is subject to proactive acceptance of the respective License Agreements/ EULAs/ Subscription and support terms of the Software manufacturer as applicable for the relevant Software whether preinstalled or optional. The software may only be available bundled with a software support subscription which – depending on the Software - may be subject to separate remuneration.

Supported configurations	All major host operating systems, servers and business applications Detailed support matrix: www.fujitsu.com/global/support/products/computing/storage/disk/supported-configrations

Installation specification

19" rackmount	Yes
Dimension - per rack (W x D x H)	483 x 630 x 87.9 mm 19 x 24.8 x 3.5 inch
Power voltage	AC 100 - 240 V
Power frequency	50 / 60 Hz
Power supply efficiency	94 % (80 PLUS platinum)
Maximum Power Consumption	AC 100 - 240 V: 764W

	2.5-inch Controller Enclosure	3.5-inch Controller Enclosure	2.5-inch Drive Enclosure	3.5-inch Drive Enclosure
Dimensions (W x D x H)	483 x 630 x 87.9 mm 19 x 24.8 x 3.5 inch 2 U	483 x 630 x 87.9 mm 19 x 24.8 x 3.5 inch 2 U	483 x 630 x 87.9 mm 19 x 24.8 x 3.5 inch 2 U	483 x 630 x 87.9 mm 19 x 24.8 x 3.5 inch 2 U
Weight	30 kg (66 lb)	32 kg (71 lb)	30 kg (66 lb)	32 kg (71 lb)

Environment

Temperature (not operating)	-40 - 70 °C
Temperature (operating)	5 - 35 °C
Humidity (operating)	8 - 85 % (non condensing)

Environment

Humidity (not operating)	5 - 100 % (non-condensing)
Altitude	3,000 m (10,000 ft.)
Operating environment	FTS 04230 – Guideline for Data Center (installation specification)
Operating environment link	http://docs.ts.fujitsu.com/dl.aspx?id=589915e9-1bf8-40f7-8ba4-7cac9371f2f0
Product	ETERNUS NU200 2U24 ETERNUS NU200 2U12 ETERNUS NU JBOD 2U24 ETERNUS NU JBOD 2U12
Product safety	EN 62368-1, IEC 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
CE certification	2014/35/EU , Low Voltage Directive, 2014/30/EU , Electromagnetic Compatibility Directive, 2009/125/EC, ErP Directive;(EU) , 2019/424, ErP regulation for data storage products, 2011/65/EU,(EU)2015/863 as amended, Restriction of Hazardous Substances (RoHS) Directive
Environmental compliance	RoHS compliant, REACH (substance regulations in articles), WEEE (Waste electrical and electronical equipment)
Compliance notes	There is general compliance with the safety/EMC requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request.
Compliance link	https://sp.ts.fujitsu.com/sites/certificates
Manufacturer warranty period	1 year
Warranty type	Onsite warranty
Support Pack Options	Available in major metropolitan areas: 9x5, Next Business Day Onsite Response Time 9x5, 4h Onsite Response Time (depending on country) 24x7, 4h Onsite Response Time (depending on country)
Recommended Service	24x7, Onsite Response Time: 4h
Service Lifecycle	at least 3 years after shipment, for details see https://support.ts.fujitsu.com/

In addition to Fujitsu ETERNUS NU200, 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.

Computing Products
https://www.fujitsu.com/emeia/products/computing/storage/

Software
www.fujitsu.com/software/

More information

Learn more about Fujitsu ETERNUS NU200, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
http://ts.fujitsu.com

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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