

Data Sheet FUJITSU Storage ETERNUS DX500 S3 Disk System

Leading storage performance, automated quality of service



ETERNUS DX - Business-centric Storage

Combining leading performance architecture with automated quality of service management the Fujitsu Storage ETERNUS DX series aligns storage resources with business priorities, thus enabling higher system utilization and delivering increased system consolidation capabilities and a faster ROI. Unified scalable entry-level and midrange systems, a in large-scale databases, business-critical seamless family concept enabling system upgrades and ETERNUS SF, the unified management suite across the product line, reduce operational and migration costs. ETERNUS SF provides enterpriseclass functionalities in the entry and midrange class and allows flexible disaster recovery and business continuity concepts for the different model sizes, thus decreasing investment costs

ETERNUS DX500 S3

The scalable, unified Fujitsu Storage ETERNUS DX500 S3 system delivers leading storage performance and automated quality of service management enabling a maximum of system utilization and contributing to a fast ROI. It is the perfect solution when consolidating data applications and business analytics / big data – all into one system. It provides ample headroom for demanding server / desktop virtualization environments and enterprise file services. Extensive high-availability and disaster recovery capabilities make ETERNUS DX500 S3 an ideal storage system for businesscritical data.









Features & Benefits

Main Features	Benefits
Market-leading performance combined with automated performance management	
	 Top-class performance enables large-scale storage consolidation delivering a fast ROI Automatically aligns storage performance with business priorities Delivers reliable and predictable quality of service for business-critical data Enables the operation of productive and analytical tasks in parallel on one storage system High scalability within the system and upgrade options to higher system-class and bigger systems support high data increases at low costs of growth and ensure investment protection
Rock-solid operation	 Comprehensive high-availability, quality of service and disaster resilience functions ensure predictable and reliable operation Flexible disaster recovery, including transparent failover, with a multitude of snapshot concepts and remote replication between different models and generations Extensive non-disruptive maintenance and upgrade capabilities reduce planned downtimes
Truly unified architecture	 Unified SAN and NAS access drive system utilization improving ROI Unified management functions across the entire product line result in operational efficiency Unified connectivity supports a large range and many combinations of networking types Unified architecture allows flexible combinations of 2.5" and 3.5" disk types

Page 2 / 6 www.fujitsu.com/eternus

Technical details

TERMUS DMSOD S3 No. of controllers	General system information				
No. of notartillers	deneral system information	FTERNUS DX500 S3			
No. of host interfaces W8 ports [SCSI, FC6F, Prhemeet 106bits], 4-16 ports [FC1, 8/16 ports [Fchemet 106bits]] Maximum Cache Capacity 64 GB block 764 GB = 32 GB block + lile) Extreme Cache Pool 3,200 GB Maximum Disk Drives 528 Max. no. of drive enclosures 22 with 2.5" or 3.5" DE, 8 with HD-DE or mixture of DEs up to Max no. Drives Redundancy RAID Controller Fan Power supply Supported RAID levels 9,11+9,5-50,6 Host Interfaces Fibre Channel (116 Gbits), 8 Gbits, 4 Gbits) FC0E (10 Gbits), 1 Gbits} FC0E (10 Gbits), 1 Gbits, 1 Gbits} FC0E (10 Gbits), 1 Gbits, 1 Gbits, 1 Gbits} FC0E (10 Gbits), 1 Gbits, 1 Gbits, 1 Gbit	No. of controllers				
Maximum Cache Capacity		4/8 ports [iSCSL FCoE, Ethernet(10Gbit/s], 4-16 ports [FC], 8/16 ports [Ethernet(1Gbit/s)]			
Extreme Cache Pool 3.200 GB Max. no. of drive enclosures Extreme Cache Pool 3.200 GB Max. no. of drive enclosures 22 with 2.5' or 3.5' DE, 8 with HD-De or mixture of DEs up to Max. no. Drives Redundancy Experiment of DEs up to Max. no. Drives Redundancy Supported RAID levels United Raid levels Experiment (16 Gbit/s, 9 Gbit/s, 4 Gbit/s) Foot (16 Gbit/s) Foot (16 Gbit/s) Foot (16 Gbit/s) Foot (10 Gbit/s, 1 Gb					
Maximum Disk Drives S28 Max. no. of fore enclosures 22 With 2.5" or 3.5" DE, 8 with H.D.DE or mixture of DEs up to Max no. Drives Redundancy RIVD Controller Fan Power supply	• '				
Max. no. of Strive 5.28 Max. no. of Strive enclosures 2.2 with 2.5' or 3.5' DE, 8 with HID-DE or mixture of DEs up to Max no. Drives Redundancy RAID Controller Fain Formation Power supply Power supply Supported RAID levels 0, 1, 1+0, 5, 5+0, 6 Host Interfaces Fibre Channel (16 Gbuts, 8 Gbuts, 4 Gbuts) Flore (10 Gbits) CERCE (10 Gbits) Mixed host interfaces Yes Max. no. of hosts 1, 124 Supported NAS protocols (EFS (SMB 2.0), CFS (SMB 3.0), NFSv2, NFSv3 Max. no. of hosts 1, 124 Supported NAS protocols (EFS (SMB 2.0), CFS (SMB 3.0), NFSv2, NFSv3 Max. no. of hosts 1, 124 Supported NAS protocols (EFS (SMB 2.0), CFS (SMB 3.0), NFSv2, NFSv3 Max. no. of hosts 2, 5-inch, SSS, 15, 0000 pmm (600 GB / 300 GB) 2, 5-inch, SSS, 15, 0000 pmm (1, 200 GB) 4, 000 GB / 300 GB) 2, 5-inch, SSD, 15, 0000 pmm (1, 200 GB / 900 GB) 3, 3-inch, SSD, 16, 000 GB / 900 GB / 400 GB) 4, 5-inch, SSD, 16, 000 GB / 900 GB / 400 GB) 3, 3-inch, SSD, 16, 000 GB / 900 GB / 400 GB) 4, 5-inch, SSD, 16, 000 GB / 900 GB / 400 GB) 3, 3-inch, SSD, 16, 000 GB / 900 GB / 400 GB)		·			
Max. no. of drive enclosures 22 with 2.5° or 3.5° DE, 8 with HDE or mixture of DEs up to Max no. Drives Redundancy RAID Controller Fan Power supply Supported RAID levels 0, 1, 1-0, 5, 5+0, 6 Host Interfaces Fibre Channel (16 Gbits, 8 Gbits, 4 Gbit/s) Host Interfaces Fibre Channel (16 Gbits, 8 Gbits, 4 Gbit/s) Mixed host interfaces Yes Max. no. of hosts 1,024 Supported MAS protocols CIF (SMB 2.0), CIFS (SMB 3.0), NFSv2, NFSv3 Maximum Storage Capacity 3,188 TB Drive Type 2,2-5-inch, SS, 10,000 rpm (1,200 GB / 900 GB / 900 GB) 2,5-inch, SS, 10,000 rpm (1,200 GB / 900 GB / 900 GB) 2,5-inch, SS, 10,000 rpm (1,200 GB / 900 GB / 900 GB) 2,5-inch, SS, 10,000 rpm (1,200 GB / 900 GB / 900 GB) 2,5-inch, SS, 10,000 rpm (1,200 GB / 900 GB / 900 GB) 2,5-inch, SS, 10,000 rpm (1,200 GB / 900 GB / 900 GB) 3,5-inch, SSD (1,600 GB / 800 GB / 400 GB) Note 2,5-inch, SSD (1,600 GB / 900 GB / 900 GB) HDDE, Nearline SAS, 7,200 rpm (6 TB / 4 TB / 3 TB / 2 TB) Note 2,5-inch, SSD (1,600 GB / 900 GB / 900 GB / 900 GB) HDDE, Nearline SAS, 7,200 rpm (6 TB / 4 TB / 3 TB / 2 TB) Note 2,5-inch, SSD (1,600 GB / 900 GB /		·			
Note Redundancy Redundancy Redundancy Redundancy Redundancy Supported RAID levels Robert Supported RAID Robert Robert Pottor Robert Pottor Robert Supported RAID Robert P					
Redundancy Supported RAID levels Host Interfaces Fibre Channel (16 Ebits, 8 Ebits, 4 Ebits) FIGE (10 Ebits) FISE (10 Ebits) FI					
Fan Power supply					
Power supply	Reduitancy				
Supported RAID levels					
Host Interfaces Fibre Channel (16 Gbit/s, 8 Gbit/s, 4 Gbit/s) FCGE (10 Gbit/s) SIGS(11 Gbit/s) SIGS(11 Gbit/s) Ethernet (10 Gbit/s, 1 Gbit/s) Ethernet (10 Gbit/s, 1 Gbit/s) Mixed host interfaces Max. no. of hosts 1,024 Supported NAS protocols GIFS (SMB 2.0), CIFS (SMB 3.0), NFSv2, NFSv3 Maximum Storage Capacity Drive Type 2.5-inch, SAS, 10,000 rpm (1,200 GB / 300 GB) 2.5-inch, SAS, 10,000 rpm (1,200 GB / 300 GB) 2.5-inch, SAS, 10,000 rpm (1,200 GB / 900 GB / 300 GB) 2.5-inch, SAS, 10,000 rpm (1,200 GB / 900 GB / 600 GB / 300 GB) 2.5-inch, SSD (1,600 GB / 800 GB / 400 GB) 3.5-inch, Nearline SAS, 7,200 rpm (6 TB / 4 TB / 3 TB / 2 TB) 3.5-inch, SSD (1,600 GB / 800 GB / 400 GB) HDDE, SAS, 10,000 rpm (1,2 TB) HDDE, Nearline SAS, 7,200 rpm (4 TB / 3 TB / 2 TB) Note 2.5-inch drives are available only for 2.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures Max. no. of SDS Mixed 2.5-inch drive enclosures Mixed 2.5-inch / 3.5-inch drive enclosures Max. no. of LUNS Back-end disk connectivity 2 pairs of four-lane x 12 Gbit/s Serial Attached SCSI (12 Gbit/s) Back-end disk connectivity 2 pairs of four-lane x 12 Gbit/s Serial Attached SCSI buses (SAS 3.0 wide) Max. no. of LUNS Max. LUN capacity Eco-mode Yes Thin Provisioning Yes Quality of Service Yes Business Continuity Features No. of snapshots - max. 8, 192 Max. no. of copy generations Remote Copy functionality Synchronous and asynchronous Cache Protection, Data Block Guard, Data Encryption, Declarace Hot of Spare, Disk Drive Patrol, Global Hot Spare, Fast	Constant DAID Lovels	· · · ·			
FCGE (10 Gbitz) SISCI (10 Gb					
SCSI (10 Gbit/s, 1 Gbit/s) Ethernet (10 Gbit/s, 1 Gbit/s)	Host Interfaces				
Rithernet (10 Gbit/s, 1 Gbit/s) Niked host interfaces		· · · · · · · · · · · · · · · · · · ·			
Mixed host interfaces Yes Max. no. of hosts 1,024 Supported NAS protocols CIFS (SMB 2.0), CIFS (SMB 3.0), NFSv2, NFSv3 Maximum Storage Capacity 3,168 TB Drive Type 2,5-inch, SAS, 15,000 rpm (600 GB / 900 GB / 600 GB / 300 GB) 2,5-inch, SAS, 10,000 rpm (1,200 GB / 900 GB / 600 GB / 300 GB) 2,5-inch, SAS (self-encrypting), 10,000 rpm (1,200 GB / 900 GB) 4,5-inch, SAS, 10,000 rpm (1,200 GB / 900 GB / 400 GB) 3,5-inch, SAS (1,600 GB / 800 GB / 400 GB) 4,5-inch, SAS, 10,000 rpm (1,200 GB / 900 GB / 400 GB) 3,5-inch, SAS (1,600 GB / 800 GB / 400 GB) 3,5-inch, SAS (1,600 GB / 800 GB / 400 GB) 3,5-inch, SAS (1,600 GB / 800 GB / 400 GB) 3,5-inch, SAS (1,600 GB / 800 GB / 400 GB) 4,7-inch 4,5-inch, SAS (1,600 GB / 800 GB / 400 GB) 4,7-inch 3,5-inch, SAS (1,600 GB / 800 GB / 400 GB) 4,7-inch 4,5-inch, SAS (1,600 GB / 800 GB / 400 GB) 4,0-inch 4,0-inch, SAS (1,600 GB / 800 GB / 400 GB) 4,0-inch 4,0-inch, SAS (1,600 GB / 800 GB / 400 GB) 4,0-inch 4,0-inch, SAS (1,600 GB / 800 GB / 400 GB) 4,0-inch 4,0-inch, SAS (1,600 GB / 800 GB / 400 GB) 4,0-inch 4,0-inch, SAS (1,600 GB / 800 GB / 400 GB) 4,0-inch </td <td></td> <td colspan="3"></td>					
Max. no. of hosts	Mixed best interfaces				
Supported NAS protocols Maximum Storage Capacity Drive Type 2.5-inch, SAS, 15,000 rpm (100 GB / 300 GB) 2.5-inch, SAS, 15,000 rpm (1,200 GB / 300 GB) 2.5-inch, SAS, 15,000 rpm (1,200 GB / 300 GB) 2.5-inch, SAS, 15,000 rpm (1,200 GB / 300 GB) 2.5-inch, SAS (self-encrypting), 10,000 rpm (1,200 GB / 300 GB) 2.5-inch, SAS (self-encrypting), 10,000 rpm (1,200 GB / 300 GB) 2.5-inch, SAS (self-encrypting), 10,000 rpm (1,200 GB / 300 GB) 2.5-inch, SSD (1,600 GB / 800 GB / 400 GB) 3.5-inch, SSD (1,600 GB / 800 GB / 400 GB) 4.000 rpm (1,21 RB) 4.0					
Maximum Storage Capacity 3,168 TB Drive Type					
Drive Type 2.5-inch, SAS, 15,000 rpm (600 GB / 300 GB) 2.5-inch, SAS, 10,000 rpm (1,200 GB / 900 GB / 600 GB / 300 GB) 2.5-inch, SAS (self-encrypting), 10,000 rpm (1,200 GB / 900 GB) 2.5-inch, Nearline SAS, 7,200 rpm (1 TB) 2.5-inch, Nearline SAS, 7,200 rpm (6 TB) 3.5-inch, SSD (1,600 GB / 800 GB / 400 GB) 3.5-inch, SSD (1,600 GB / 800 GB / 400 GB) HDDE, SAS, 10,000 rpm (1.2 TB) HDDE, Nearline SAS, 7,200 rpm (4 TB / 3 TB / 2 TB) Note 2.5-inch drives are available only for 2.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drives are available only for 2.5-inch drives are available only for 2.5-inch drives are available only for 2.5-inch drives are available only f	•••				
2.5-inch, SAS, 10,000 rpm (1,200 GB / 900 GB / 600 GB / 300 GB) 2.5-inch, SAS (self-encrypting), 10,000 rpm (1,200 GB / 900 GB) 2.5-inch, SAS (self-encrypting), 10,000 rpm (1,200 GB / 900 GB) 2.5-inch, SSD (1,600 GB / 800 GB / 400 GB) 3.5-inch, SSD (1,600 GB / 800 GB / 400 GB) 3.5-inch, SSD (1,600 GB / 800 GB / 400 GB) 4 HDDE, SAS, 10,000 rpm (1,2 TB) 4 HDDE, S		· · · · · · · · · · · · · · · · · · ·			
2.5-inch, SAS (self-encrypting), 10,000 rpm (1,200 GB / 900 GB) 2.5-inch, Nearline SAS, 7,200 rpm (1 TB) 2.5-inch, Nearline SAS, 7,200 rpm (6 TB / 4 TB / 3 TB / 2 TB) 3.5-inch, Nearline SAS, 7,200 rpm (6 TB / 4 TB / 3 TB / 2 TB) 3.5-inch, SSD (1,600 GB / 800 GB / 400 GB) HDDE, SAS, 10,000 rpm (1.2 TB) HDDE, Nearline SAS, 7,200 rpm (4 TB / 3 TB / 2 TB) Note 2.5-inch drives are available only for 2.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures. 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 2 pairs of four-lane x 12 Gbit/s Serial Attached SCSI buses (SAS 3.0 wide) Max. no. of LUNs 16,384 Max. LUN capacity 128 TB Eco-mode Yes Thin Provisioning Yes Quality of Service Yes Business Continuity Features No. of snapshots - max. 8,192 Max. no. of copy generations Service Total Copy functionality Synchronous and asynchronous Data protection features Cache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery	Drive Type				
2.5-inch, Nearline SAS, 7,200 rpm (1 TB) 2.5-inch, SSD (1,600 GB / 800 GB / 400 GB) 3.5-inch, SSD (1,600 GB / 800 GB / 400 GB) 3.5-inch, SSD (1,600 GB / 800 GB / 400 GB) 4.5-inch, SSD (1,600 GB / 800 GB / 400 GB) 4.5-inch, SSD (1,600 GB / 800 GB / 400 GB) 4.5-inch, SSD (1,600 GB / 800 GB / 400 GB) 4.5-inch, SSD (1,600 GB / 800 GB / 400 GB) 4.5-inch drives are available only for 2.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures. Max. no. of SSDs 4.5-inch 3.5-inch drives are available only for 2.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures. Max. no. of SSDs 5.5-inch 3.5-inch drives are available only for 2.5-inch drive enclosures. Max. no. of SSDs 5.5-inch 3.5-inch drives are available only for 3.5-inch drive enclosures. Max. no. of SSDs 5.5-inch 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures. Max. no. of SSDs 5.5-inch 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drives are available only for 3.5-inch drive enclosures. Max. no. of SSDs 5.5-inch 3.5-inch drives are available only for 2.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drives are available only for 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosure					
2.5-inch, SSD (1,600 GB / 800 GB / 400 GB) 3.5-inch, Nearline SAS, 7,200 rpm (6 TB / 4 TB / 3 TB / 2 TB) 3.5-inch, SSD (1,600 GB / 800 GB / 400 GB) HDDE, SSD, 1,600 GB / 800 GB / 400 GB) HDDE, SSD, 1,600 GB / 800 GB / 400 GB) HDDE, SSD, 1,600 GB / 800 GB / 400 GB) HDDE, SSD, 1,600 GB / 800 GB / 400 GB) HDDE, SSD, 1,600 GB / 800 GB / 400 GB) HDDE, SSD, 1,600 GB / 800 GB / 400 GB) HDDE, SSD, 1,600 GB / 800 GB / 400 GB) HDDE, SSD, 1,600 GB / 800 GB / 400 GB) HDDE, SSD, 1,600 GB / 800 GB / 400 GB) HDDE, SSD, 1,600 GB / 800 GB / 400 GB) HDDE, SSD, 1,600 GB / 800 GB / 400 GB) HDDE, SSD, 1,600 GB / 400 GB / 400 GB) HDDE, SSD, 1,600 GB / 400 GB / 400 GB) HDDE, SSD, 1,600 GB / 400 GB / 400 GB) HDDE, SSD, 1,600 GB / 400 GB / 400 GB) HDDE, SSD, 1,600 GB / 400 GB / 400 GB) HDDE, SSD, 1,600 GB / 400 GB / 400 GB) HDDE, SSD, 1,600 GB / 400 GB / 400 GB) HDDE, SSD, 1,600 GB / 400 GB / 400 GB) HDDE, SSD, 1,600 GB / 400 GB / 400 GB) HDDE, SSD, 1,600 GB / 400 GB					
3.5-inch, Nearline SAS, 7,200 rpm (6 TB / 4 TB / 3 TB / 2 TB) 3.5-inch, SSD (1,600 GB / 400 GB) ADDE, SAS, 10,000 rpm (1.2 TB) HDDE, SAS, 10,000 rpm (1.2 TB) HDDE, Nearline SAS, 7,200 rpm (4 TB / 3 TB / 2 TB) Note 2.5-inch drives are available only for 2.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures. Max. no. of SSDs unlimited Mixed 2.5 inch/ 3.5 inch drive enclosures Drive interface Serial Attached SCSI (12 Gbit/s) Back-end disk connectivity 2 pairs of four-lane x 12 Gbit/s Serial Attached SCSI buses (SAS 3.0 wide) Max. no. of LUNs 16,384 Max. LUN capacity 128 TB Eco-mode Yes Thin Provisioning Yes Quality of Service Pves Business Continuity Features No. of snapshots - max. 8,192 Max. no. of copy generations Synchronous and asynchronous Data protection features Cache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery					
As a constant of the protection features 1.5inch, SSD (1,600 GB / 800 GB / 400 GB) HDDE, SAS, 10,000 rpm (1.2 TB) HDDE, Nearline SAS, 7,200 rpm (4 TB / 3 TB / 2 TB) 1.5inch drives are available only for 2.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures. 1.5inch drives are available only for 2.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures. 1.5inch drives are available only for 2.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures. 1.5inch drives are available only for 2.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures. 1.5inch drives are available only for 2.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures. 1.5inch drives are available only for 2.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures. 1.5inch drives are available only for 2.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures. 1.5inch drives are available only for 2.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-i					
HDDE, SAS, 10,000 rpm (1.2 TB) HDDE, Nearline SAS, 7,200 rpm (4 TB / 3 TB / 2 TB) Note 2.5-inch drives are available only for 2.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures. Max. no. of SSDs unlimited Mixed 2.5 inch/ 3.5 inch drive enclosures Drive interface Serial Attached SCSI (12 Gbit/s) Back-end disk connectivity 2 pairs of four-lane x 12 Gbit/s Serial Attached SCSI buses (SAS 3.0 wide) Max. no. of LUNs 16,384 Max. LUN capacity 128 TB Eco-mode Yes Thin Provisioning Yes Quality of Service Business Continuity Features No. of snapshots - max. 8,192 Max. no. of copy generations Remote Copy functionality Cache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery					
Note 2.5-inch drives are available only for 2.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures. Max. no. of SSDs unlimited Mixed 2.5 inch/ 3.5 inch drive enclosures Drive interface Serial Attached SCSI (12 Gbit/s) Back-end disk connectivity 2 pairs of four-lane x 12 Gbit/s Serial Attached SCSI buses (SAS 3.0 wide) Max. no. of LUNs 16,384 Max. LUN capacity 128 TB Eco-mode Yes Thin Provisioning Yes Quality of Service Yes Business Continuity Features No. of snapshots - max. 8,192 Max. no. of copy generations Remote Copy functionality Data protection features Cache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery					
Note 2.5-inch drives are available only for 2.5-inch drive enclosures and 3.5-inch drives are available only for 3.5-inch drive enclosures. Max. no. of SSDs unlimited Mixed 2.5 inch/ 3.5 inch drive enclosures Pyes Drive interface Serial Attached SCSI (12 Gbit/s) Back-end disk connectivity 2 pairs of four-lane x 12 Gbit/s Serial Attached SCSI buses (SAS 3.0 wide) Max. no. of LUNs 16,384 Max. LUN capacity 128 TB Eco-mode Yes Thin Provisioning Yes Quality of Service Yes Business Continuity Features No. of snapshots - max. 8,192 Max. no. of copy generations Remote Copy functionality Synchronous and asynchronous Data protection features Cache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery					
Max. no. of SSDs Minimited Mixed 2.5 inch/ 3.5 inch drive enclosures Pres Drive interface Beack-end disk connectivity 2 pairs of four-lane x 12 Gbit/s Serial Attached SCSI buses (SAS 3.0 wide) Max. no. of LUNs 16,384 Max. LUN capacity 128 TB Eco-mode Yes Thin Provisioning Yes Quality of Service Wes Business Continuity Features No. of snapshots - max. No. of snapshots - max. Max. no. of copy generations Remote Copy functionality Cache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery	Note	·			
Mixed 2.5 inch/ 3.5 inch drive enclosuresYesDrive interfaceSerial Attached SCSI (12 Gbit/s)Back-end disk connectivity2 pairs of four-lane x 12 Gbit/s Serial Attached SCSI buses (SAS 3.0 wide)Max. no. of LUNs16,384Max. LUN capacity128 TBEco-modeYesThin ProvisioningYesQuality of ServiceYesBusiness Continuity FeaturesYesNo. of snapshots - max.8,192Max. no. of copy generations512Remote Copy functionalitySynchronous and asynchronousData protection featuresCache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery	Note	, i			
Mixed 2.5 inch/ 3.5 inch drive enclosuresYesDrive interfaceSerial Attached SCSI (12 Gbit/s)Back-end disk connectivity2 pairs of four-lane x 12 Gbit/s Serial Attached SCSI buses (SAS 3.0 wide)Max. no. of LUNs16,384Max. LUN capacity128 TBEco-modeYesThin ProvisioningYesQuality of ServiceYesBusiness Continuity Features8,192Max. no. of copy generations512Remote Copy functionalitySynchronous and asynchronousData protection featuresCache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery	Max. no. of SSDs	unlimited			
Drive interfaceSerial Attached SCSI (12 Gbit/s)Back-end disk connectivity2 pairs of four-lane x 12 Gbit/s Serial Attached SCSI buses (SAS 3.0 wide)Max. no. of LUNs16,384Max. LUN capacity128 TBEco-modeYesThin ProvisioningYesQuality of ServiceYesBusiness Continuity FeaturesYesNo. of snapshots - max.8,192Max. no. of copy generations512Remote Copy functionalitySynchronous and asynchronousData protection featuresCache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery					
Back-end disk connectivity2 pairs of four-lane x 12 Gbit/s Serial Attached SCSI buses (SAS 3.0 wide)Max. no. of LUNs16,384Max. LUN capacity128 TBEco-modeYesThin ProvisioningYesQuality of ServiceYesBusiness Continuity Features8,192Mox. of snapshots - max.8,192Max. no. of copy generations512Remote Copy functionalitySynchronous and asynchronousData protection featuresCache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery					
Max. no. of LUNs Max. LUN capacity 128 TB Eco-mode Yes Thin Provisioning Yes Quality of Service Yes Business Continuity Features No. of snapshots - max. 8,192 Max. no. of copy generations Ecohology functionality Synchronous and asynchronous Cache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery					
Max. LUN capacity Eco-mode Yes Thin Provisioning Yes Quality of Service Yes Business Continuity Features No. of snapshots - max. No. of copy generations Remote Copy functionality Synchronous and asynchronous Data protection features Cache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery	•	<u> </u>			
Eco-mode Yes Thin Provisioning Yes Quality of Service Yes Business Continuity Features No. of snapshots - max. 8,192 Max. no. of copy generations 512 Remote Copy functionality Synchronous and asynchronous Data protection features Cache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery					
Thin Provisioning Quality of Service Yes Business Continuity Features No. of snapshots - max. 8,192 Max. no. of copy generations Femote Copy functionality Synchronous and asynchronous Data protection features Cache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery	<u> </u>				
Quality of Service Yes Business Continuity Features Second Service No. of snapshots - max. 8,192 Max. no. of copy generations 512 Remote Copy functionality Synchronous and asynchronous Data protection features Cache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery					
Business Continuity Features No. of snapshots - max. Max. no. of copy generations Remote Copy functionality Data protection features Cache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery		**			
No. of snapshots - max. Max. no. of copy generations Remote Copy functionality Data protection features Cache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery	·				
Max. no. of copy generations Remote Copy functionality Synchronous and asynchronous Data protection features Cache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery	•	0.102			
Remote Copy functionality Synchronous and asynchronous Cache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery					
Data protection featuresCache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare, Fast Recovery	.,,,				
Recovery					
·	Data protection features				
	Security features				

Page 3 / 6 www.fujitsu.com/eternus

0 .:					
Options			V		
Storage Cluster			Yes		
Automated QoS			Yes		
Automated Storage Tiering			Yes		
Reporting function			Yes		
Vote		Options can be activat	ed via ETERNUS SF Software		
Dynamic configuration					
ield model upgrade	to ETERNUS DX600 S3				
lon-disruptive firmware upgrade	Yes				
AID migration	Yes				
UN online expansion w/o interruption	Yes				
Vide striping	Yes				
lot part replacement	Yes				
Management					
nterfaces	Ethernet (1000 Base-T /	100 Base-TX / 10 Base-T)			
upported protocols	SNMP (version1, 2C, 3), S	5MI-S 1.6			
dministration		er interface, CLI (Command Line	Interface), ETERNUS SF		
emote Support	Event notification (E-mail / SNMP / Syslog), Remote maintenance				
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				
nstallation specification					
9" rackmount	Yes				
ervice Area	Front: 850 mm (33.5 inch) or more Rear: 850 mm (33.5 inch) or more				
ower voltage	AC 100 - 120 V / AC 200 -	240 V			
ower frequency	50 / 60 Hz				
ower supply efficiency	92 % (80 PLUS gold)				
laximum Power Consumption	AC 100 - 120 V: 13,210 W (13,480 VA)				
laximum Power Consumption	AC 200 - 240 V: 13,320 W (13,590 VA)				
ower phase	Single				
	ETERNUS DX500 S3	2.5-inch Drive Enclosure	3.5-inch Drive Enclosure	High-Density Drive	
Dimensions (W x D x H)	482 x 805 x 133 mm 19 x 31.7 x 5.2 inch 3 U	482 x 540 x 88 mm 19 x 21.3 x 3.5 inch 2 U	482 x 560 x 88 mm 19 x 22 x 3.5 inch 2 U	482 x 980 x 176 mm 19 x 38.6 x 6.9 inch 4 U	
Veight	54 kg (119 lb)	35 kg (77 lb)	35 kg (77 lb)	95 kg (209 lb)	
Naximum Power Consumption AC 100 - 120 V)	650 W (660 VA)	430 W (440 VA)	340 W (350 VA)	1,300 W (1,320 VA)	
Maximum Power Consumption AC 200 - 240 V)	760 W (770 VA)	430 W (440 VA)	340 W (350 VA)	1,300 W (1,320 VA)	
nvironment					
Maximum Heat Generation	AC 100 - 120 V: 48,800: kJ/h				
	AC 200 - 240 V: 49,200: kJ/h				
emperature (operating)	10 - 40 °C				
emperature (not operating)	0 - 50 ℃				
umidity (operating)	20 - 80 % (relative humidity, non-condensing)				
umidity (not operating)	8 - 80 % (relative humidity, non-condensing)				
ltitude	3,000 m (10,000 ft.)				
ound pressure (LpAm)	53dB(A)				
ound power (LWAd; 1B = 10dB)	7.0B				
loise notes	Measured with single enclosure according to ISO 7779 and declared according to ISO 9296				
perating environment	FTS 04230 – Guideline for Data Center (installation specification)				
<u> </u>		· · ·			

Page 4 / 6 www.fujitsu.com/eternus

Environment						
Operating environment link	http://docs.ts.fujitsu.com	http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe				
Туре	ETERNUS DX500 S3	2.5-inch Drive Enclosure	3.5-inch Drive Enclosure	High-Density Drive Enclosure		
Compliance						
Product safety	UL 60950-1, CSA-C22.2	No. 60950-1, EN 60950-1, IEC 60	1950-1, GOST-R			
Electromagnetic Compatibility	CNS 13438, FCC CFR 47 (CNS 13438, FCC CFR 47 class A , ICES 003 Class A, EN 55022 Class A, VCCI Class A, AS/NZS CISPR 22 Class A				
Electromagnetic Immunity	EN 55024					
CE certification	2004/108/EC, 2006/95/E	2004/108/EC, 2006/95/EC, 2011/65/EC				
Approvals	CB, CE, C-Tick, FCC, EAC,	CB, CE, C-Tick, FCC, EAC, GS, VCCI				
Environmental compliance	RoHS compliant, WEEE o	RoHS compliant, WEEE compliant				
Compliance notes		There is general compliance with the safety 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	http://globalsp.ts.fujitsu	http://globalsp.ts.fujitsu.com/sites/certificates				
Warranty						
Warranty period	3 years					
Warranty type	Onsite warranty					
Warranty Terms & Conditions	www.fujitsu.com/suppor	www.fujitsu.com/support				
Product Support Services - the perfe	ect extension					
Support Pack Options	Available in major business areas: 9x5, Next Business Day Onsite Response Time					
		9x5, 4h Onsite Response Time				
December ded Constan	24x7, 4h Onsite Respons					
Recommended Service	24x7, Onsite Response 1					
Service Lifecycle	5 years after end of proc					
Service Weblink	www.fujitsu.com/service	s/product-services				

Page 5 / 6 www.fujitsu.com/eternus

Fujitsu OPTIMIZATION Services

In addition to Fujitsu ETERNUS DX500 S3, 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 DX500 S3, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. www.fujitsu.com/eternus

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

© Copyright 2015 Fujitsu Limited. Fujitsu, the Fujitsu logo are trademarks or registered trademarks of Fujitsu Limited in Japan and other countries. Other company, product and service names may be trademarks or registered trademarks of their respective owners.

Disclaimer

Technical data are 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 manufacturer, 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 2015-12-09 WW-EN

Page 6 / 6 www.fujitsu.com/eternus