

Data Sheet Fujitsu ETERNUS DX600 S3 Disk Storage 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 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 concepts for the different model sizes, thus decreasing investment costs.

ETERNUS DX600 S3

The scalable, unified Fujitsu Storage ETERNUS DX600 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 in large-scale databases, business-critical 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 DX600 S3 an ideal storage system for business-critical data.









Features & Benefits

Main Features	Benefits
Market-leading performance combined with automated performance management	
	 Leading 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 remote replication and snapshot concepts between different model sizes 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

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Technical details

ETERNUS DX600 S3			
2			
4-16 ports [iSCSI, FCoE, Ethernet(10Gbit/s], 4-32 ports [FC], 8-32 ports [Ethernet(1Gbit/s)]			
128 GB (block) / 128 GB + 64 GB (block + file)			
5600 GB			
1,056			
44			
44 with 2.5" or 3.5" DE, 16 with HD-DE or mixture of DEs up to Max no. Drives			
RAID Controller			
Fan			
Power supply			
0, 1, 1+0, 5, 5+0, 6			
6, 1, 1+0, 3, 3+0, 0 Fibre Channel (16 Gbit/s, 8 Gbit/s, 4 Gbit/s)			
Fible Challier (16 dbivs, 8 dbivs, 4 dbivs) FCoE (10 Gbit/s)			
iSCSI (10 Gbit/s, 1 Gbit/s)			
Ethernet (10 Gbit/s, 1 GBbit/s)			
Yes			
1024			
CIFS (SMB 2.0), NFSv2, NFSv4			
4224 TB			
2.5-inch, SAS, 15,000 rpm (300 GB)			
2.5-inch, SAS, 10,000 rpm (900 GB / 600 GB / 300 GB)			
2.5-inch, SAS (self-encrypting), 10,000 rpm (900 GB)			
2.5-inch, Nearline SAS, 7,200 rpm (1 TB)			
2.5-inch, SSD (800 GB / 400 GB)			
3.5-inch, Nearline SAS, 7,200 rpm (4 TB / 3 TB / 2 TB)			
3.5-inch, SSD (800 GB / 400 GB)			
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.			
unlimited			
s Yes			
Serial Attached SCSI (12 Gbit/s)			
4 pairs of four-lane x 12 Gbit/s Serial Attached SCSI buses (SAS 3.0 wide)			
16384			
16384			
16384 128 TB			
128 TB			
128 TB Yes			
128 TB Yes Yes			
128 TB Yes Yes			
128 TB Yes Yes Yes			
128 TB Yes Yes Yes Yes Ses 128 TB Yes Yes			
128 TB Yes Yes Yes Yes Ses Superior Synchronous and asynchronous			
128 TB Yes Yes Yes Yes Yes 128 TB Yes Yes Yes Yes 8192 512 Synchronous and asynchronous Cache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare			
128 TB Yes Yes Yes Ses Yes Superior State of the state of			
128 TB Yes Yes Yes Yes Synchronous and asynchronous Cache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare HTTPS (SSL), One Time Password, RADIUS, SSH			
128 TB Yes Yes Yes Yes Yes 128 TB Yes Yes Yes Synchronous and asynchronous Cache Protection, Data Block Guard, Data Encryption, Dedicated Hot Spare, Disk Drive Patrol, Global Hot Spare			

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Non-disruptive firmware upgrade	Yes				
AID migration	Yes				
UN online expansion w/o interruption	Yes				
Vide striping	Yes				
lot part replacement/ expansion	Yes				
Nanagement					
nterfaces	Ethernet (1000 Base-T / 100 Base-TX / 10 Base-T)				
upported protocols	SNMP (version1, 2C, 3), SMI-S 1.6				
dministration	Web-based graphical user interface, CLI (Command Line Interface), ETERNUS SF				
upported OS for ETERNUS SF Express					
peration Management Server	Windows Server® 2012 R2 Datacenter				
· · · · · · · · · · · · · · · · · · ·	Windows Server® 2012 R2 Standard				
	Windows Server® 2012 Datacenter				
	Windows Server® 2012 Standard				
	Windows Server® 2008 R2 Datacenter				
	Windows Server® 2008 R2 Enterprise				
	Windows Server® 2008 R2 Standard				
	Windows Server® 2008 Datacenter				
	Windows Server® 2008 Enterprise				
Operation Management Client	Windows® 7 Home Premium				
,	Windows® 7 Professional				
	Windows® 7 Ultimate				
	Windows Vista® Home Basic				
	Windows Vista® Home Premium				
	Windows Vista® Business				
	Windows Vista® Enterprise				
	Windows Vista® Ultimate				
	Windows® XP Home Edition				
	Windows® XP Professional				
	Windows Server® 2008 Standard				
	Windows Server® 2008 Enterprise				
	Windows Server® 2008 Datacenter				
	Windows Server® 2012 Standard				
	Windows Server® 2012 Datacenter				
	Windows Server® 2012 R2 Standard				
	Windows Server® 2012 R2 Datacenter				
Vote	See the ETERNUS SF datasheet for further options				
upported configurations	All major host operating systems, servers and business applications				
supported configurations	Detailed support matrix:				
	http://www.fujitsu.com/global/services/computing/storage/eternus/products/diskstorage/dx600/#Tab0-4				
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)				
Maximum Power Consumption	AC 100 - 120 V: 26,240 W (26,800 VA)				
nominani i onci consumption	AC 200 - 240 V: 26,520 W (27,080 VA)				
Power phase	Single				
	ETERNUS DX600 S3 2.5-inch Drive Enclosure 3.5-inch Drive Enclosure High-Density Drive Enclosure				

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x 133 mm < 5.2 inch	482 x 540 x 88 mm	482 x 560 x 88 mm	482 x 980 x 176 mm		
(5.2 inch	40 040 051	40 00 05. 1			
	19 x 21.3 x 3.5 inch	19 x 22 x 3.5 inch	19 x 38.6 x 6.9 inch		
) lb)	2 U	2 U	4 U		
9 lb)	35 kg (77 lb)	2/0////250///	95 kg (209 lb)		
0 VA)	430 W (440 VA)	340 W (350 VA)	1,300 W (1,320 VA)		
,010 VA)	430 W (440 VA)	340 W (350 VA)	1,300 W (1,320 VA)		
AC 100 - 120 V: 97,200: kJ/h					
AC 200 - 240 V: 98,200: kJ/h					
10 - 40 °C 0 - 50 °C					
20 - 80 % (relative humidity, non-condensing)					
8 - 80 % (relative humidity, non-condensing)					
3,000 m (10,000 ft.)					
7.2B					
54dB(A)					
Measured with single enclosure according to ISO 7779 and declared according to ISO 9296					
FTS 04230 – Guideline for Data Center (installation specification)					
	/dl.aspx?id=e4813edf-4a27-4				
1, CSA-C22.2 N	o. 60950-1, EN 60950-1, IEC	60950-1, GOST-R			
, FCC CFR 47 cl	ass A , ICES 003 Class A, EN 5	5022 Class A, VCCI Class A, AS/	NZS CISPR 22 Class A		
2004/108/EC, 2006/95/EC, 2011/65/EC					
CB, CE, C-Tick, FCC, GOST, GS, VCCI					
RoHS compliant, WEEE compliant					
There is general compliance with the safety requirements of all European countries and North America. Nation					
approvals required in order to satisfy statutory regulations or for other reasons can be applied for on requ					
http://globalsp.ts.fujitsu.com/sites/certificates					
3 years					
Onsite Service					
oort.ts.fujitsu.co	om/warranty/				
ension					
Globally available in major business areas:					
9x5, Next Business Day Onsite Response Time					
9x5, 4h Onsite Response Time					
24x7 Fujitsu support for enterprise class services. Please check your specific service level with your FUJITSU sales					
· · · · · · · · · · · · · · · · · · ·	L I: f -				
5 years after end of product life					
On O Its tic	Onsite Response Onsite Respons Itsu support for e tion or partner. Iter end of produ	Onsite Response Time Onsite Response Time Itsu support for enterprise class services. Plea tion or partner.	Onsite Response Time Onsite Response Time Itsu support for enterprise class services. Please check your specific service lation or partner. Itsu end of product life		

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Fujitsu OPTIMIZATION Services

In addition to Fujitsu ETERNUS DX600 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

Build 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 offering. This allows customers to leverage 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/services/computing/

Software

www.fujitsu.com/software/

More information

Learn more about Fujitsu ETERNUS DX600 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/qlobal/about/environment



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