

Data Sheet

FUJITSU Storage ETERNUS JX40 Subsystem

Passive direct server-attached storage subsystem



ETERNUS JX Storage Subsystems

As capacity requirements often exceed the storage capacity that servers can offer, a passive extension of server storage is a good option. The Fujitsu Storage ETERNUS JX storage subsystems, which are directly attached to a server, support mixed disk drive configurations with easy handling and low investment costs. When extending storage capacity, they are the perfect choice for environments with only one server or with two servers for high availability in clustered configurations. ETERNUS JX systems offer basic data protection with built-in resilience and they can be managed using standard Fujitsu ServerView software.

ETERNUS JX40

The Fujitsu Storage ETERNUS JX40 is a reliable and innovative easy-to-use storage subsystem. As Direct Attached Storage (DAS), it extends the storage-capacity of Fujitsu's PRIMERGY servers through a fastest 6 Gbit/s SAS connection by up to 115 Terabyte with the maximum of 3 enclosures. With a height of only two units per shelf, the ETERNUS JX40 subsystem meets the requirements for a compact design with 2.5 inch mixable SAS and SATA hard disk drives in 19-inch rack infrastructures.



Features & Benefits

Main Features	Benefits
<p>Performance and flexibility</p> <ul style="list-style-type: none"> ■ Direct Attached Storage (DAS) for intel-based servers with 6 Gbit/s SAS connection ■ Up to 72 high performance disk drives enlarge storage capacity by up to 115 Terabyte <p>Quality and reliability</p> <ul style="list-style-type: none"> ■ Components like hot plug disk drives and power supply modules can be replaced while the server is running ■ The redundant hot-plug power supply units can be connected with phase redundancy via separate power lines. ■ Optimum and secure cooling of the drives is ensured by two independent fans in each power supply unit ■ 2.5" disk drives can be organized in different RAID levels <p>Ease of use</p> <ul style="list-style-type: none"> ■ Status of the components is signalized by LED displays and light-emitting diodes ■ Drive extension is completely managed by the server and can be used in all usage scenarios with certified PRIMERGY servers ■ The subsystem can be integrated in the standard Fujitsu server management ServerView Suite 	<ul style="list-style-type: none"> ■ Mix and match of disk drives ■ Continuous operation during flexible drive replacements ■ Easy installation and control of the subsystem

Technical details

General system information

Max. no. of drives	72
Max. no. of drive enclosures	3
Redundancies	Fan Power supply
Supported RAID levels	0, 1, 1+0, 5, 5+0, 6, 6+0
Host interfaces	SAS 2.0 I/O module (expander)
Connector Type	1 Port MiniSAS (SFF-8088)
Supported PRIMERGY server controller	Fujitsu PSAS CP400e SAS Controller LSI SAS9200-8e 6Gb/s 8ext PCIe FH/LP SAS Controller LSI MegaRAID SAS9286CV-8e SAS RAID 5/6 controller LSI MegaRAID SAS9285CV-8e SAS RAID 5/6 controller LSI MegaRAID SAS9280-8e, PCIe x4, 512MB Cache with ECC
Max. storage capacity - physical	115 TB
Drive Type	2.5-inch, SAS, 15,000 rpm (600 GB / 450 GB / 300 GB / 146 GB) 2.5-inch, SAS, 10,000 rpm (1.2 TB / 900 GB / 600 GB / 300 GB) 2.5-inch, Nearline SAS, 7,200 rpm (1 TB) 2.5-inch, SATA, 7,200 rpm (1 TB) 2.5-inch, SSD, MLC (1.6 TB / 800 GB / 400 GB / 200 GB)
Drive interface	Serial Attached SCSI (6 Gbit/s); Serial ATA (3 Gbit/s)

Dynamic configuration

Hot part replacement/ expansion	Yes
---------------------------------	-----

Management

Administration	Web-based graphical user interface
----------------	------------------------------------

Supported configurations

Supported configurations	All major host operating systems, servers and business applications Detailed support matrix: http://ts.fujitsu.com/matrixep
Hardware certification	Windows 2012R2 x64 Storage Spaces Enclosure

Installation specification

19" rackmount	Yes
Height Unit Maximum	6 U
Service Area	Front: 800 mm (31.5 inch) or more Rear: 800 mm (31.5 inch) or more
Power voltage	AC 100 - 120 V / AC 200 - 240 V
Power frequency	50 / 60 Hz
Power supply efficiency	89 % (80 PLUS silver)
Maximum Power Consumption	AC 100 - 120 V: 386 W (389 VA)
Maximum Power Consumption	AC 200 - 240 V: 379 W (386 VA)
Power phase	Single (phase redundancy possible)
Dimensions (W x D x H)	483 x 650 x 88 mm 19 x 25.6 x 3.5 inch 2 U
Weight	35 kg (77 lb)

Environmental

Maximum Heat Generation	AC 100 - 120 V: 1390: kJ/h AC 200 - 240 V: 1364: kJ/h
Temperature (operating)	10 - 40 °C (50 - 104 °F)
Temperature (not operating)	0 - 50 °C
Humidity (operating)	20 - 80 % (relative humidity, non-condensing)

Environmental

Humidity (not operating)	8 - 80 % (relative humidity, non-condensing)
Altitude	3,000 m (10,000 ft.)
Sound pressure (LpAm)	43.5 dB(A)
Sound power (LWAd; 1B = 10dB)	6.0 B
Noise notes	measured according to ISO7779 and declared according to ISO9296
Operating environment	FTS 04230 – Guideline for Data Center (installation specification)
Operating environment link	http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe

Compliance

Product safety	UL 60950-1, CSA-C22.2 No. 60950-1, EN 60950-1, IEC 60950-1
Electromagnetic Compatibility	CNS 13438, FCC Part-15 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/EC, 2011/65/EC
Approvals	CB, CE, C-Tick, EAC, FCC, VCCI
Environmental compliance	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.com/sites/certificates

Warranty

Warranty period	2 years
Service level	Onsite warranty
Warranty Terms & Conditions	www.fujitsu.com/support

Product Support Services - the perfect extension

Support Pack Options	Available in major business areas: 9x5, Next Business Day Onsite Response Time 9x5, 4h Onsite Response Time 24x7, 4h Onsite Response Time
Recommended Service	24x7, Onsite Response Time: 4h
Service Lifecycle	5 years after end of product life
Service Weblink	www.fujitsu.com/services/product-services

Fujitsu OPTIMIZATION Services

In addition to Fujitsu ETERNUS JX40, 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/products/computing/

Software

www.fujitsu.com/software/

More information

Learn more about Fujitsu ETERNUS JX40, 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
2015-05-08 WW-EN