FUJITSU

Data Sheet
Fujitsu Storage CS800 Reference Architecture based on FUJITSU Server PRIMERGY

Together against ramsonware

Data Protection Portfolio

Data protection appliances and solutions from Fujitsu ensure data protection and 'always-on' availability across your hybrid cloud estate. Fujitsu's comprehensive range of backup and archiving solutions safeguard the right data service levels for the complete data lifecycle with the right protection and at optimized cost. The appliances protect sensitive data from threat, corruption, or loss addressing end-to-end operational security and data availability concerns from on-premises through to the cloud. The speedy recovery after downtime or ransomware attacks provides 24/7 business continuity, ensures highest data resiliency, and enhance your business agility.

The solutions comply with security, data, and industry regulations and transform your hybrid cloud into a genuine enabler for digital business growth, efficiency, and continuity.

CS800 Reference Architecture based on FUJITSU Server PRIMERGY

Fujitsu CS800 Reference Architecture based on FUJITSU Server PRIMERGY is a virtual disk based backup system which offers simple, economical and scalable data protection with high performance backup and efficient disaster recovery and tight integration with all leading backup applications. The deduplication technology in CS800 RA reduces required disk capacity by up to 95% delivering superior price-performance while the unique replication engine enables multi-site protection and disaster recovery with low network bandwidth. The scale-out architecture makes it suitable for entry level to enterprise class environments with the pay-as-you-grow expansion flexibility. By supporting all major backup suites it is a perfect consolidation platform for data copies. Deep integration capabilities for VEEAM Data Mover Service enables a tight integration into backup processes including additional copies on tape eliminating the need of extra hardware resulting in investment protection.

Features & Benefits

Main Features	Benefits
Flexible reference architecture for small and remote offices to enterprise environments	■ Pay-as-you-grow with easy incremental upgrades ■ Scalability from 10 up to 64 TB (Base Unit) ■ Suitable for organization size from entry to midsize
High performance while reducing costs	■ Meta data stored on SSDs for better data protection performance ■ Variable-length deduplication maximizes data reduction ■ Protect data across sites with WAN efficient replication
Optimized data protection and automated disaster recovery	■ 1:2 replication and cloud hosted disaster recovery ■ Reduced media handling and easy administration ■ Tight integration with Veeam Data Mover Service (VDMS)
Greater insights to the data through advanced reporting	■ Advanced reporting provides clarity and ease of application management ■ Intuitive management tools enable precise business decisions ■ Contributes to proactive and speed resolution time
Integration into Business-centric Data-centers	■ Turnkey solution for easy and economical deployment ■ Standard NAS protocol interface for easy implementation ■ Ready to realize cloud concepts for backup service

Technical details

General system information

Performance (max.)	Up to 82 TB/day
Note	Actual Performance figures depend on user data and user environment.
Capacity (logical)	Up to 1.25 PB
Capacity (net usable)	10-64 TB
Capacity note	Actual logical capacity based on Deduplication depends on user data and user environment.
Ethernet Ports (fixed)	2 x 10 GbE 1 x dedicated management LAN port for iRMC S5 (10/100/1000 Mbit/s) GbE
Supported protocols	CIFS, NFS, OST
NAS Shares (max.)	128

Supported environments - excerpt

Supported Environments	VMware vSphere™ 8.0 Hypervisor
Supported backup and archiving software for open systems	Atempo Time Navigator AISHU Technology AnyBackup Acronis Cyber Protect (CIFS/SMB only) Arcserve Arcserve Backup Bacula Systems Bacula Enterprise HYCU Protégé Dell NetWorker Micro Focus Data Protector IBM Storage Protect NovaStor NovaStor DataCenter Quest NetVault Retrospect Inc Retrospect for Windows Veritas (Backup Exec, NetBackup, System Recovery) Veeam Backup & Replication For the detailed support matrix please contact your Fujitsu sales representative

Installation specification

Base unit	PRIMERGY RX2540 M6
19" rackmount	Yes
Mounting Depth Rack	873.1 mm
Dimensions (W x D x H)	482.5 mm (Bezel) / 435 mm (Body) x 800 x 86.9 mm
Height Unit Rack	2 U
Weight	25 kg
Power supply	500W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz 500W hot-plug, 96% (Titanium efficiency), 200-240V, 50 / 60Hz 900W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz 900W hot-plug, 96% (Titanium efficiency), 200-240V, 50 / 60Hz 1600W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz; 100V range: 1030W 1600W hot-plug, 96% (Titanium efficiency), 200-240V, 50 / 60Hz 2200W hot-plug, 94% (Platinum efficiency), 200-240V, 50 / 60Hz 2400W hot-plug, 96% (Titanium efficiency), 200-240V, 50 / 60Hz 1300W hot-plug, 94% (equivalent to Platinum efficiency) –48V DC 1600W hot plug, 94% (equivalent to Platinum efficiency) 380V DC
Power consumption	620 W

Environment

Maximum Heat Generation	1814: kJ/h
Temperature (operating)	5 – 25 ℃
Humidity (operating)	8 - 85 % (relative humidity, non-condensing)
Sound pressure (LpAm)	34.4 dB(A) (idle) / 43.4 dB(A) (operating) typical Values
Sound power (LWAd; 1B = 10dB)	5.3 B (idle) / 6.1 B (operating) typical Values
Noise emission	Measured according to ISO 7779 and declared according to ISO 9296
Noise notes	Noise emissions depends on operation modes, system configuration and ambient temperature.

Environment

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

Warranty

Warranty period	3 years
Warranty type	Onsite warranty
Warranty Terms & Conditions	www.fujitsu.com/warranty

Product Support - the perfect extension

Recommended Service	24 x 7 Fujitsu support for enterprise class services. Please check your specific service level with your FUJITSU sales organization or partner.
Service Lifecycle	at least 5 years after shipment, for details see https://support.ts.fujitsu.com/
Service Weblink	www.fujitsu.com/services/product-services

Compliance

Product safety	CB, RoHS (Substance limitations in accordance with global RoHS regulations), WEEE (Waste electrical and electronical equipment), GS (Germany), CE (Europe)
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

Notes

Compatibility	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.
Security	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.
Continuity management	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.
Software	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.
	Use of accompanying and/or additional 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.

Fujitsu products, solutions & services

In addition to Fujitsu CS800 Reference Architecture based on FUJITSU Server PRIMERGY, 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 CS800 Reference Architecture based on FUJITSU Server PRIMERGY, 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

Disclaimer

www.fujitsu.com/eternus