

Server, Solutions & Storage Family Guide

Your fast lane to PRIMERGY servers, ETERNUS storage, Fujitsu services and Microsoft server products for SMEs

FUJITSU



 Windows Server

shaping tomorrow with you

FUJITSU Server Enterprise Products

Choose FUJITSU systems to transform your IT environment

FUJITSU is the leading ICT provider with an entire portfolio of IT products, solutions and services – from notebooks, tablets, PCs and data center solutions up to managed services and cloud solutions. FUJITSU servers provide the basis to set up the most powerful and flexible data center solutions for companies of all sizes, across all industries and for any type of workload. This includes industry standard PRIMERGY servers, mission-critical PRIMEQUEST systems and SPARC/UNIX servers to be able to offer the right combination of systems, solutions and know-how to guarantee maximum productivity, efficiency and flexibility.

FUJITSU Servers

FUJITSU Server PRIMERGY

Industry's most complete x86-based portfolio for companies of all sizes, across all industries and for any type of workload.

FUJITSU Server PRIMEQUEST

Enhance the economic benefits of x86 industry standards complemented with a fault immune system architecture.

FUJITSU M10 Server

Unmatched scalability of up to 64 SPARC processors together with highest RAS features and a modular architecture.

FUJITSU Server PRIMERGY

FUJITSU PRIMERGY TX Family



Expandable tower servers ideal for branch offices, remote offices and small businesses.

FUJITSU PRIMERGY RX Family



Versatile and scalable rack-optimized servers with leading efficiency and performance.

FUJITSU PRIMERGY BX Family



Platform for converged infrastructures engineered to maximize every hour, watt, and dollar.

FUJITSU PRIMERGY CX Family











Density optimized cloud server infrastructures for HPC, cloud and hyper-converged computing.

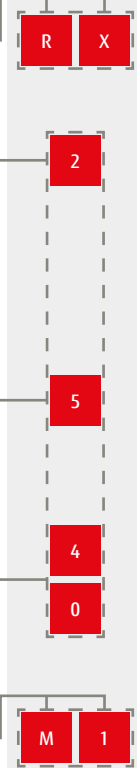
PRIMERGY Naming

PRIMERGY new naming cheat sheet

New Naming – Easy and recognizable

In 2014 FUJITSU introduced a new system naming for the PRIMERGY server portfolio. After almost 10 years the well-known naming of PRIMERGY servers is getting an important modification to reflect the widened PRIMERGY portfolio. The new system naming mimics the typical buying process of fresh hardware: A customer's first decision point is always the form factor, so the new naming keeps important brand elements like RX, for Rack Server or TX, for Tower Server. The numbers following the form factor refer to the number of sockets and the processor platform type. This leads to a system class, like PRIMERGY RX2500. The last numbers in the name refer to the feature set and the generation of the specific model.

	Segment	Old naming	Current naming	How do you choose a server?	An Example (Successor of PRIMERGY RX300 S8)
	Tower Server New possible classes: 1300 2500	TX100 S3 TX120 S3 TX140 S2 TX150 S8 TX200 S7 TX300 S8	TX1310 M1 TX1320 M2 TX1330 M2 Combined successor TX2540 M1 TX2560 M1	1. 	Formfactor BX: Blade server / Chassis CX: Cloud server / Chassis MX: Micro server RX: Rack server TX: Tower server SX: Storage blade
		Rack server New possible classes: 1300 2500 4700	RX100 S8 No predecessor RX200 S8 RX300 S8 RX350 S8 RX500 S7 RX600 S6	RX1330 M2 RX2520 M1 RX2530 M1 RX2540 M1 RX2560 M1 Combined successor RX4770 M2	2. 
		Blade server 2500 class	BX920 S4 BX924 S4	BX2560 M1 BX2580 M1	3. 
		Multi node server 2500 class	CX250 S2 CX270 S2	CX2550 M1 CX2570 M1	4. 
				5. 	Generation M: Model + 1 case of next technology generation; The generation suffix rises incrementally with each new processor generation



New Naming:
RX2540 M1

FUJITSU Server PRIMERGY Tower and Rack Systems

The efficient, flexible foundation for business growth

Quickly changing business requirements need an IT infrastructure that guarantees maximum productivity, cost efficiency, agility and are easy to integrate in any existing environment. Be it a department server or a large data center solution, FUJITSU Server PRIMERGY systems and solutions can meet these requirements for companies of all sizes and provide a cost-effective and adaptable range of services.

Tower



Type	Specifications	Products	Processor	Memory	Storage*	Ordercodes / Comments			
Mono	PSU Redundancy	None	Size / max. scalability	Standard / 4 HDDs & 32 GB RAM	TX1310 M1	Intel® Xeon® E3v3, Core i3®, Pentium®	2 – 32 GB 4 DIMM DDR3	4 x 3.5" SATA	
		Ultra-compact / 6 HDDs & 64 GB RAM		TX1320 M2	Intel® Xeon® E3v4, Core i3, Pentium®	4 – 64 GB 4 DIMM DDR4	2 x 3.5" SATA or 4+2 x 2.5" SATA/SAS		
	Max. scalability	8 HDDs & 64 GB RAM	TX1330 M2	Intel® Xeon® E3v4, Core i3®, Pentium®	4 – 64 GB 4 DIMM DDR4	12 x 3.5" SATA/SAS or 24 x 2.5" SATA/SAS			
Dual	Scalability	High (up to 6 PCI slots / 24 HDDs)	TX2540 M1	1-2 x Intel® Xeon® E5-2400v2	4 – 192 GB 12 DIMM DDR3	8 x 3.5" SATA/SAS or 24 x 2.5" SATA/SAS			
		Maximum (10 x PCI slots / 32 x HDDs, 2 x GPGPU)	TX2560 M1	1-2 x Intel® Xeon® E5-2600v3	4 – 1532 GB 24 DIMM DDR4	12 x 3.5" SATA/SAS or 32 x 2.5" SATA/SAS			

Rack



Mono	1U (3 x PCI slots, 4 x HDDs)	RX1330 M2	Intel® Xeon® E3v4, Core i3®, Pentium®	2 – 64 GB 4 DIMM DDR4	4 x 3.5" SATA/SAS or 10 x 2.5" SATA/SAS	
Dual	Max. performance	Essential performance	RX2520 M1	1-2 x Intel® Xeon® E5-2400v2	4 – 192 GB 12 DIMM DDR3	12 x 3.5" SATA/SAS or 16 x 2.5" SATA/SAS
		1U / high (4 x PCI slots, 10 x HDDs)	RX2530 M1	1-2 x Intel® Xeon® E5-2600v3	4 – 1532 GB 24 DIMM DDR4	4 x 3.5" SATA/SAS or 8x10x 2.5" SATA/SAS
		2U / very high (8 x PCI slots, up to 24 x HDDs**)	RX2540 M1	1-2 x Intel® Xeon® E5-2600v3	4 – 1532 GB 24 DIMM DDR4	12x 3.5" SATA/SAS or 24" x 2.5" SATA/SAS
		4U / maximum (10 x PCI slots, 24x HDDs, 2 x GPGPU)	RX2560 M1	1-2 x Intel® Xeon® E5-2600v3	4 – 1532 GB 24 DIMM DDR4	12 x 3.5" SATA/SAS or 32 x 2.5" SATA/SAS
Quad	Optimized for	RX4770 M2	2-4 Intel® Xeon® E7-4800/8800v3	8 – 6144 GB 96 DIMM DDR4	8 x 2.5" SAS and/or 4 x PCIe SSD	


*Most RX/TX systems are available with 2.5" SATA/SAS SSD storage drives

FUJITSU Server PRIMERGY Blade Systems

Converged infrastructure platform designed to reduce time and efforts

PRIMERGY BX400

- 6U chassis for 19-inch racks or floorstand version
- 8 slots for server- or storage blades
- 4 slots for connection blades



Server & Storage Blades	Specifications	Product	Processor	Controller (onboard)	Storage / Tape	Ordercodes / Comments	
Server Blade	Memory expandability	8 – 1024 GB (16 DIMM DDR4)	BX2560 M1	1-2 x Intel® Xeon® E5-2600 v3	2 x 10 Gb/s CNA Ethernet	2x 2.5" SAS/SATA HDD, or 2x 2.5" PCIe/SAS/SATA SSD	
		8 – 1536 GB (24 DIMM DDR4)	BX2580 M1	1-2 x Intel® Xeon® E5-2600 v3	2 x 10 Gb/s CNA Ethernet	2 x 1.8" SATA SSD	
Storage Blade Disk	Type	Direct-attached storage	SX960 S1	-	-	10 x 2.5" SATA/SAS (hot-plug)	
		Centralized storage	SX980 S2	-	-	10 x 2.5" SAS (hot-plug)	

PRIMERGY BX900 S2


- 10U chassis for 19-inch racks
- 18 slots for server- or storage blades
- 8 slots for connection blades



Connection Blades	Specifications	Product	Description	Max. nr. per BX400 / BX900	Ordercodes / Comments	
Ethernet	Ports (down- / uplink)	18 x 1 Gbit/s, 6 x 1 Gbit/s	Ethernet Switch/IBP 10/40 Gbit/s 18/8+2	Layer 2+, 10/40 Gbit/s Ethernet Switch or Intelligent Blade Panel (IBP)	4 / 6	
		36 x 1 Gbit/s, 12 x 1 Gbit/s	Ethernet Switch/IBP 1 Gbit/s 36/12	Layer 2+, 1 Gbit/s Ethernet Switch or Intelligent Blade Panel (IBP)	4 / 8	
		36 x 1 Gbit/s, 8 x 1 Gbit/s, 2 x 10 Gbit/s	Ethernet Switch/IBP 1 Gbit/s 36/8+2	Layer 2+, 1/10 Gbit/s Ethernet Switch or Intelligent Blade Panel (IBP)	4 / 8	
FCoE	Ports (down- / uplink)	18 x 10 Gbit/s, 8 x 10 Gbit/s + 2x 40 Gbit/s	Ethernet Switch/IBP 10/40 Gbit/s 18/8+2	10/40 Gbit/s Ethernet Switch, Intelligent Blade Panel (IBP) or End Host Mode (EHM)	4 / 6	
		16 x 10 Gbit/s, 8 x 10 Gbit/s	Ethernet FEX (Cisco Nexus B22F)	Cisco Nexus B22 Series Blade Fabric Extender	4 / 4	
Fibre Channel	Ports (down- / uplink)	18 x 16 Gbit/s, 8 x 16 Gbit/s	8 Gbit/s Fibre Channel Switch	Fibre Channel Switch (Brocade 6245) upgradable to 26 ports	3 / 4	
		18 x 8 Gbit/s, 18 x 8 Gbit/s	Fibre Channel Pass Thru	8 Gbit/s Pass-Thru Fibre Channel Module	3 / 4	
SAS	18 x 6 Gbit/s, 6 x 6 Gbit/s	SAS Connection Blade	6 Gbit/s SAS Switch to connect e.g. PRIMERGY SX980 storage blade(s)	2 / 2		
IB	18 x 56 Gbit/s, 8 x 56 Gbit/s	InfiniBand Connection Blade	Top performance for highly-demanding network connections	1 / 3		


FUJITSU Server PRIMERGY Scale-out Systems

Scale-out Smart for HPC and Cloud Computing

	Usage Scenario Type	Specifications	Products	Processor	Memory	Co-processor / GPGPU support	Ordercodes / Comments
PRIMERGY CX400 M1 <ul style="list-style-type: none"> 2U chassis for 19-inch racks Slots for 2-4 computing nodes Up to 24 x 2.5-inch storage drives 	HPC, scale-out	Co-processor support / density 1U, no co-processor support 2U, co-processor & GPGPU support	CX2550 M1	1-2 x Intel® Xeon® E5-2600 v3	16 – 1024 GB** 16 DIMM DDR4	-	
			CX2570 M1	1-2 x Intel® Xeon® E5-2600 v3	16 – 1024 GB** 16 DIMM DDR4	2x GPGPU / co-processor support (Nvidia Tesla™ K-series, Nvidia Grid series, Intel® Xeon® Phi™)	

FUJITSU Server PRIMEQUEST

Scalable platform for business-critical and mission-critical workloads

	Type	Specifications	Products	Processor / Memory	Storage / PCI	Mission-Critical Features	Ordercodes / Comments
FUJITSU Server PRIMEQUEST 	Quad	Mission-critical workloads	PRIMEQUEST 2400E2	4 x Intel® Xeon® E7 v3 Max 6TB / 96 DIMM	16 x 2.5" / 16-56 PCIe slots	Yes – Reserved System Board, Flexible I/O, Dynamic Reconfiguration, red. MMB, hot-plug PCIe	
	Octo	Optimized for ... Mission-critical workloads Business-critical workloads	PRIMEQUEST 2800E2	8 x Intel® Xeon® E7 v3 Max 12TB / 192 DIMM	24 x 2.5" / 16-56 PCIe slots		
			PRIMEQUEST 2800B2	8 x Intel® Xeon® E7 v3 Max 12TB / 192 DIMM	8 x 2.5" / 16 PCIe slots	No	

FUJITSU Integrated System PRIMEFLEX

FUJITSU Integrated System PRIMEFLEX comprised of server, storage and connectivity, coupled with software and management layers, pre-integrated and pre-tested for specific workloads. PRIMEFLEX represents one of the industry's broadest offerings of powerful data center solutions, including both 'ready to run' pre-integrated systems that can be rapidly brought into production and so-called Reference Architectures, which offer more customizable pre-validated and pre-tested design blueprints. For worry-free operation of all integrated systems, Fujitsu offers comprehensive system integration services capabilities, turnkey data center services including hosting, managed data center and cloud Infrastructure-as-a-Service. Pay-as-you-go financing options are also available.

Topic Area	Integrated System	Description	Ordercodes / Comments
SAP Environments	PRIMEFLEX for SAP Landscapes	Fujitsu, trusted SAP Global Partner for over 40 years, has successfully helped thousands of customers worldwide to simplify, innovate and grow. Fujitsu IS ensures a fast and secure implementation and operation of SAP applications and the SAP HANA platform.	
	PRIMEFLEX for SAP® HANA		
Microsoft Environments	PRIMEFLEX for SharePoint®	Take advantage of Fujitsu's PRIMEFLEX portfolio for Microsoft to overcome hurdles raising from the demand for improved collaboration, simple and easy design of Internet pages, email and calendar services and cost effective unified communication.	
	PRIMEFLEX for Lync®		
Server Virtualization	PRIMEFLEX for Exchange®	Benefits from server-virtualization allowing you to consolidate your servers. The integrated and uniform high availability concept increases your application availability. Achieve maximum flexibility to use your IT resources by deploying faster and without interruption.	
	PRIMEFLEX for OfficeMaster Gate		
Desktop Virtualization	PRIMEFLEX for VMware VSAN	Benefit from rapid implementation and reduced risk resulting from Fujitsu's extensive project experience. Especially for VDI, several integrated systems give you the choice of making a fast and easy move to virtual workplaces according to your special needs.	
	PRIMEFLEX vShape		
Private Cloud	PRIMEFLEX for VMware VDI	A vast experience as a leading IaaS service provider in operating more than 25 cloud data centers globally, Fujitsu is well positioned to help customers optimize their own data center infrastructure. PRIMEFLEX offerings for Private Cloud include everything you need.	
	PRIMEFLEX for VMware vCloud		
High Availability and Disaster Recovery	PRIMEFLEX for Red Hat OpenStack	The failure of core services results directly in significant revenue losses, reduces customer satisfaction and can even cause a business to stop trading. The appropriate IT high-availability and disaster recovery solutions avoid such risks.	
	PRIMEFLEX for Cluster-in-a-box		
Big Data and Analytics	PRIMEFLEX for Egenera PAN	Experience less complexity and fast time-to-value, while reducing risks and focusing on your core business. Fujitsu is a one-stop shop for Big Data where organizations can get optimized Big Data infrastructures including the most relevant technology concepts.	
	PRIMEFLEX for Hadoop		
HPC	PRIMEFLEX for HPC	Simplify implementation for shorter time to production, enjoy intuitive end-user environment with pre-built automated workflow packages that makes HPC easier to use. Benefit from lower investment cost by leveraging pre-installed systems for your need.	

FUJITSU Integrated System PRIMEFLEX


PRIMEFLEX is a comprehensive line-up of about 15 business-centric solutions, to cover the entire scope of needs in the data center. PRIMEFLEX systems, which encompass solutions from Fujitsu partners such as Microsoft, VMware and SAP, are all packaged and tested by Fujitsu

FUJITSU Integrated System PRIMEFLEX for Microsoft Environments

Improving or extending collaboration and communication, regardless whether internally or externally, is a goal given priority on every business agenda. And that is independent of your core business. There are several established software solutions from Microsoft available which address exactly these needs: improved collaboration, simple and easy design of Internet pages, email and calendar services and cost effective unified communication. But especially for small and medium business there are often certain doubts regarding an optimized IT infrastructure to leverage these capabilities. Application optimized infrastructure design, in terms of investment and operation costs as well as simple and risk free integration, requires tremendous know-how regarding all the necessary components and their dependencies. Take advantage of Fujitsu's PRIMEFLEX portfolio for Microsoft to overcome these hurdles

FUJITSU Cluster-in-a-box

- Business continuity with nearly no downtime
- Easy buying
- Ready-to work a few minutes after receipt
- No implementation risk
- Optionally leverage the benefits of virtualization

	Order Mode	Intended for	based on	SAN switch	Description	Storage extensibility	Ordercodes / Comments
FUJITSU Integrated Systems PRIMEFLEX Cluster-in-a-box 	Single Order Code	virtual loads	CX400-M	Switchless cluster (integrated)	Two nodes, each with: 2x Intel XEON E5-2620-v4 (8 core), 128 GB memory, 2x 10Gbit/s and 3x 1Gbit/s Ethernet, 2x SAS (Expander), Windows Server 2012 R2 Datacenter, Shared disks: 8x 1,2 TB SAS HDD	additional disks with FUJITSU Storage ETERNUS JX	
	Configurable	virtual or physical	CX400-C	Switchless cluster (integrated)	Two nodes, each with: 2x Intel XEON E5 CPU, up to 512 GB memory, 2x 10Gbit/s and 3x 1Gbit/s Ethernet or 7x 1Gbit/s Ethernet, 2x SAS (Expander), Windows Server 2012 R2 Datacenter or Windows Server 2012 R2 Standard, Shared disks: up to 18x SAS HDD/SSD 2,5"	additional disks with FUJITSU Storage ETERNUS JX	

	Use Cases	Number of users	Key components	Options	Ordercodes / Comments
PRIMEFLEX for Sharepoint	Collaboration	250 concurrent users	<ul style="list-style-type: none"> ■ FUJITSU Server PRIMERGY RX or TX systems ■ Microsoft® Windows Server® 2012 R2 ■ MS SQL Server / Express ■ Application 	<ul style="list-style-type: none"> ■ Resizing / Scalability ■ Media Gateway for Lync ■ Migration for Exchange ■ Backup options 	
PRIMEFLEX for Exchange	E-Mail services and Groupware	500 mailboxes			
PRIMEFLEX for Lync	Company Communication	1000 users			
PRIMEFLEX for OfficeMaster Gate	Company Communication	-			

FUJITSU Storage Products

ETERNUS – Business-centric Storage

In the storage area you can rely on a well synchronized portfolio – Business-centric storage at its best from a single provider with more than 50 years experience in storage. Fujitsu provides ETERNUS DX disk systems, ETERNUS LT tape libraries and ETERNUS CS data protection appliances, which allow customers to flexibly manage their increasing data volumes at less costs of growth, to benefit from a very reliable architecture as well from radically simplified operation.

FUJITSU Storage

Disk Storage Systems

Combining leading performance architecture with automated quality of service management the ETERNUS DX series aligns storage resources with business priorities, thus enabling high system utilization and consolidation.

Tape Storage Systems

The affordable ETERNUS LT tape systems offer impressive scalability and reliability. They meet SMB requirements and are certified for market-leading backup and archiving software.

Data Protection Appliances

ETERNUS CS200c is an appliance with integrated backup software, ETERNUS CS800 offers deduplication for cost-efficient backup-to-disk and ETERNUS CS8000 provides enterprises with complete consolidation of backup and archiving infrastructures.

FUJITSU Storage ETERNUS

ETERNUS DX Family



Leading performance increases system utilization and consolidation resulting in a faster ROI

ETERNUS LT Family



Highly automated, simple and remote operation without any demand for local expert skills




ETERNUS CS Family



ETERNUS CS data protection appliances radically simplify backup and archive infrastructures by aligning storage resources with business priorities.


FUJITSU ETERNUS Storage

Online storage made easy

	Specifications	Product	Max. capacity	Host interfaces	Functions	Ordercodes / Comments
CELVIN NAS server 	Rack No Yes	QE705/QE805 Q805 Q905 QR802	12/24 TB 24 TB 36 TB 24 TB	Ethernet (1Gbit/s) / USB 3.0 / USB 2.0 / eSATA (depending on selected product)	VMware, Citrix, Hyper-V virtualization; FTP, file, web, printer, SQL and multimedia server; Remote access and system management, snapshots, App center	
ETERNUS JX JBOD systems 	Focus High performance High capacity	ETERNUS JX40 S2 ETERNUS JX60	Max. 288 TB capacity; Max. Disk Drives: max. 96 SAS disks and SSDs with 2.5" / max. 48 Nearline SAS disks with 3.5"			
ETERNUS DX disk storage systems 	Remote None Required	connectivity / scalability max. 4 host ports/ 96 drives (288 TB) max. 16 host ports/ 144 drives (864 TB) max. 16 host ports/ 264 drives (1584 TB) connectivity / scalability max. 16 host ports/ 528 drives (3168 TB) max. 32 host ports/ 1056 drives (6336 TB) max. 128 host ports/ 1536 drives (4608 TB) max. 384 host ports/ 4608 drives (13824 TB)	DX60 S3 DX100 S3 DX200 S3 DX500 S3 DX600 S3 DX8700 S3 DX8900 S3	8 Gbit/s FC, iSCSI, 3/6 Gbit/s SAS 8/16 Gbit/s FC, 10 Gbit/s FCoE, 1/10 Gbit/s iSCSI, 3/6 Gbit/s SAS, 1/10 Gbit/s Ethernet 8/16 Gbit/s FC, 10 Gbit/s FCoE, 1/10 Gbit/s iSCSI, 3/6 Gbit/s SAS, 1/10 Gbit/s Ethernet 8/16 Gbit/s FC, 10 Gbit/s FCoE, 1/10 Gbit/s iSCSI, 1/10 Gbit/s Ethernet 8/16 Gbit/s FC, 10 Gbit/s FCoE, 1/10 Gbit/s iSCSI, 1/10 Gbit/s Ethernet 8/16 Gbit/s FC, 10 Gbit/s FCoE, 1/10 Gbit/s iSCSI 8/16 Gbit/s FC, 10 Gbit/s FCoE, 1/10 Gbit/s iSCSI	ETERNUS SF Management Software offering Local Advanced Copy, Thin Provisioning, RAID Protection and Redundancy ETERNUS SF Management Software offering Local Advanced Copy, Transparent Failover, Automated Storage Tiering, Automated Quality-of-Service, Thin Provisioning, RAID Protection, Encryption and Redundancy	





FUJITSU ETERNUS Storage

Online storage made easy

<p>ETERNUS SF - Flexible Data Management</p>	<p>Description</p> <p>The ETERNUS SF storage management software is the uniform management solution for the entire ETERNUS DX series. All essential operations for storage resource management, monitoring, reporting, tiered storage, performance management, disaster resilience and business continuity are integrated. The uniform management for the entire storage infrastructure covers all ETERNUS DX disk storage systems from entry-level through the high-end as well as virtualized server infrastructures.</p>	<p>ETERNUS SF at a glance</p> <ul style="list-style-type: none"> ■ Management of all infrastructure devices based on a unified view ■ Visualization of the relations between storage, network and physical servers or virtual servers ■ Early detection and elimination of performance issues through performance monitoring ■ Reduced initial system infrastructure through thin provisioning ■ Support for incident management Hardware investment optimization through automated storage tiering ■ Reduced storage system power consumption ■ Central management for local and remote replication ■ Enhanced business continuity with transparent failover ■ Automated Quality-of-Service management 					<p>Ordercodes / Comments</p>
<p>ETERNUS Snapshot Manager - Efficient Snapshot Management</p>	<p>Description</p> <p>The ETERNUS Snapshot Manager (ESM) is a feature rich software to manage and catalog application-consistent hardware snapshots of ETERNUS DX arrays without scripting. The software offers granular recovery of data across physical and virtual environments to minimize downtime and enhance business productivity.</p>	<p>ETERNUS SF at a glance</p> <ul style="list-style-type: none"> ■ Manages and catalogs application-consistent hardware snapshots of ETERNUS DX arrays without scripting ■ Application-consistency increases protection for mission-critical data with low production impact ■ Snapshot support for industry's broadest application and file systems eliminates multiple management and operational costs ■ Granular and consistent recovery of applications and files speeds up and simplifies recovery process 					<p>Ordercodes / Comments</p>
<p>ETERNUS CD10000 Hyper-scale storage appliance</p> 	<p>Description</p> <p>The FUJITSU Storage ETERNUS CD10000 enables you to take care of extreme data growth yourself – and with ease. This hyperscale, software-defined appliance is designed for all environments with huge online data volumes and offers almost unlimited scalability at consistently high levels of performance. The ETERNUS CD10000 combines Ceph open source storage software, Fujitsu management enhancements and Fujitsu enterprise-class hardware with end-to-end maintenance services in a complete solution that is ready to use right “out of the box.”</p>	<p>At a glance</p> <ul style="list-style-type: none"> ■ Nearly unlimited and flexible scalability of capacity and performance ■ Fault tolerance and self-healing by design ■ Based on Ceph Open Source storage software ■ Supports object, file and block storage ■ Appliance with end-to-end maintenance ■ High performance through high parallelism of read and write operations 	<p>Host Connectivity Options</p> <p>Unified: Block, File and Object</p>	<p>Software Version</p> <p>Based on Open Source Ceph storage software</p>	<p>Hardware platform</p> <p>Standard PRIMERGY server and network components</p>	<p>Basic configuration</p> <p>4x Basic node + 1x Management node</p>	<p>Ordercodes / Comments</p>

FUJITSU ETERNUS Storage

Data Protection made easy

<p>ETERNUS CS200c Integrated Backup Appliance</p> 	<p>Specifications</p> <p>Usable capacity</p> <ul style="list-style-type: none"> fixed: 1-36 TB scalable: 6-132 TB 	<p>Product</p> <ul style="list-style-type: none"> CS200c S2 Entry CS200c S2 Scale 	<p>Description</p> <ul style="list-style-type: none"> All-in-one backup appliance provides small and mid-sized environments with a customizable, self-contained solution for professional backup Commvault Appliance Foundation software is included and licensed for complete capacity 		<p>Data Protection Functions</p> <p>Backup & recovery, deduplication, archiving, application support, snapshot, replication, tape management</p>	<p>Ordercodes / comments</p>
<p>ETERNUS CS800 backup appliance</p> 	<p>Specifications</p> <p>Usable capacity after data reduction</p> <ul style="list-style-type: none"> 8-24 TB 8-120 TB 32 - 352 TB 	<p>Product</p> <ul style="list-style-type: none"> CS800 S6 Entry CS800 S6 Scale 	<p>Key Feature</p> <p>Deduplication</p>	<p>Data Protection Functions incl.</p> <p>Disk-based backup and recovery, replication, path-to-tape, multiprotocol support (NAS, VTL, OST), backup target in the cloud</p>	<p>Usability</p> <p>Easy setup in just a few steps, automated operation, simple user interface for maintenance and analytics</p>	<p>Ordercodes / comments</p>
<p>ETERNUS CS8000 V6.1 Unified Backup and Archive Platform</p> 	<p>Specifications</p> <p>Architecture type</p> <ul style="list-style-type: none"> scale-up 7 TB - 1.3 PB, up to 30 TB/h scale-out 7 TB - 22 PB, up to 150 TB/h single-site split-site Cache mirror 	<p>Product</p> <ul style="list-style-type: none"> CS8200 CS8400 CS8800 	<p>Backup</p> <p>Host connectivity: VTL, VTL with Dedup (FC 16 Gb / FICON 8 Gb)</p> <p>Virtual tape drives: 32 - 64 (CS8200) / 32 - 1280 (CS8400, CS8800)</p> <p>Back-end tape support</p>	<p>Archive / second-tier files</p> <p>Host connectivity: NAS (NFS / CIFS), 1GbE or 10GbE</p> <p>Number of Files: 2 Billion</p> <p>Back-end tape support with CS8400, CS8800</p>	<p>Ordercodes / comments</p>	
<p>ETERNUS LT tape storage systems</p> 	<p>Specifications</p> <p>No of slots / max. capacity (native)</p> <ul style="list-style-type: none"> 1 slot / up to 2.5 TB 8 slots / up to 48 TB 12 - 24 slots / up to 144 TB 24 - 48 slots / up to 288 TB 18 - 560 slots / up to 3360 TB 	<p>Product</p> <ul style="list-style-type: none"> LTO Desktop LT20 S2 LT40S2 LT60S2 LT260 	<p>Interface</p> <ul style="list-style-type: none"> SAS SAS or FC SAS or FC SAS or FC SAS or FC 	<p>Max. drives</p> <ul style="list-style-type: none"> 1 1 2 4 42 	<p>Description</p> <ul style="list-style-type: none"> LTO-5 / LTO-6 drive with 1.5 TB (LTO-5) or 2.5 TB (LTO-6) capacity native LTO-5 / LTO-6 / LTO-7 drive with 12 TB (LTO-5) or 20 TB (LTO-6) or 48 TB (LTO-7) capacity native LTO-5 / LTO-6 / LTO-7 drive with 36 TB (LTO-5) or 60 TB (LTO-6) or 144 TB (LTO-7) capacity native LTO-5 / LTO-6 / LTO-7 drive with 72 TB (LTO-5) or 120 TB (LTO-6) or 288 TB (LTO-7) capacity native LTO-5 / LTO-6 / LTO-7 drive with 840 TB (LTO-5) or 1400 TB (LTO-6) or 3360 TB (LTO-7) capacity native 	<p>Ordercodes / comments</p>

Microsoft® Server products

Reliable foundation and increased productivity

	Specifications	Product	Licensed Guest OS	Product details	Client Access Licenses required?	Ordercodes / Comments
Windows Server® 2012 R2 Operating Systems		Windows Server® 2012 R2 Foundation	none	1 server license, supports one socket, 32 GB RAM and up to 15 users, No Hyper-V support	CAL > No RDS > Yes	
		Windows Server® 2012 R2 Essentials	1	1 server license, supports two sockets, 64 GB RAM and up to 25 users, incl. Hyper-V, VM only for Essentials	CAL > No RDS > Yes	
		Windows Server® 2012 R2 Standard	2	2 processor license, more VM/CPU per add. Lic., supports 4 TB RAM, full featured edition	CAL > Yes RDS > Yes	
		Windows Server® 2012 R2 Standard	4	4 processor license, more VM/CPU per add. Lic., supports 4 TB RAM, full featured edition	CAL > Yes RDS > Yes	
		Windows Server® 2012 R2 Datacenter	unlimited	2 processor license, Supports 4 TB RAM, full featured edition	CAL > Yes RDS > Yes	
		Windows Server® 2012 R2 Datacenter	unlimited	4 processor license, more CPU per add. Lic., supports 4 TB RAM, full featured edition	CAL > Yes RDS > Yes	
Windows® Storage Server 2012 R2		Windows® Storage Server 2012 R2 Standard 2CPU/2VM	2	2 processor license, more CPU per add. Lic., scale out and sale up file server, unlimited amount of users	CAL > No RDS > No	
		Windows® Storage Server 2012 R2 Standard 4CPU/4VM	4	4 processor license, more CPU per add. Lic., scale out and sale up file server, unlimited amount of users	CAL > No RDS > No	
Downgrade DG/DE Media Kit		Windows Server® 2012	-	Datacenter only downgrade to Datacenter and / or Standard, Standard can only downgrade to Standard	-	
		Windows Server® 2008 R2	-	Datacenter only downgrade to Datacenter, Enterprise and / or Standard, Standard can only downgrade to Enterprise and / or Standard	-	
Windows Server 2012 Client Access License		Windows Server® CALs (User / Device)	-	Required to connect Windows Server services from clients. Available for users or devices and in different CAL packages.	-	
		Windows Server® RDS CALs (User / Device)	-	Required to use remote desktop or terminal services. Available for users or devices and in different CAL packages.	-	

FUJITSU Software ServerView® Suite

Integrated Server Lifecycle Management

ServerView® Suite is the key to higher value and efficient IT operation. It provides all the functions for fail-safe, flexible and automated 24x7 server operations and improves end-user productivity via intelligent and innovative system management solutions. It also supports the technologies involved in virtualization and the higher dynamics of IT infrastructures. ServerView® Suite delivers optimized deployment, permanent status monitoring and extensive control or analysis when there are malfunctions that result in fewer downtimes as well as improved maintenance and service quality. A high level of energy-efficient server operation is ensured by state-of-the-art power monitoring and control functions whereby seamless PRIMERGY integration in heterogeneous IT landscapes with different management enables full investment protection.

Deploy fast, easy, reliable	Control centralized, easy, efficient	Dynamize simple, sophisticated, efficient	Maintain in any state, at any place	Integrate seamless, manage uniformly
<p>Server Setup and Deployment</p> <ul style="list-style-type: none"> ■ Installation Manager Configures Fujitsu PRIMERGY server hardware and installs operating systems and server management software either unattended or menu-driven, locally or remotely. ■ Scripting Toolkit Collection of utilities and sample scripts for individual script-based Fujitsu PRIMERGY server configuration and installation. 	<p>Server Monitoring and Control</p> <ul style="list-style-type: none"> ■ Operations Manager ■ Agents / CIM Providers <ul style="list-style-type: none"> ■ System Monitor ■ Event Manager ■ RAID Manager <p>Capacity Management</p> <ul style="list-style-type: none"> ■ Threshold Manager <p>Power Management</p> <ul style="list-style-type: none"> ■ Power Monitor ■ Power Consumption Management (in iRMC) <p>Storage Support</p> <ul style="list-style-type: none"> ■ Storage Management <ul style="list-style-type: none"> ■ Monitoring ■ Events 	<p>Private Cloud Infrastructure</p> <ul style="list-style-type: none"> □ Resource Orchestrator Cloud Edition <p>Consolidated Server Infrastructures</p> <ul style="list-style-type: none"> □ Resource Orchestrator Virtual Edition <p>I/O Management</p> <ul style="list-style-type: none"> □ Virtual-I/O Manager 	<p>Remote Management</p> <ul style="list-style-type: none"> ■ integr. Remote Management Controller (iRMC) <ul style="list-style-type: none"> □ iRMC Advanced Pack ■ Management Blade □ Support Gateway / AutoCall <p>Update Management</p> <ul style="list-style-type: none"> ■ Update Manager <ul style="list-style-type: none"> Download Manager Repository Manager ■ Update DVD ■ Update Manager Express ■ Repository Server <p>Performance Measurement</p> <ul style="list-style-type: none"> ■ Performance Manager <p>Investigation</p> <ul style="list-style-type: none"> ■ Asset Management <ul style="list-style-type: none"> ■ Archive Manager ■ Inventory Manager ■ PrimeCollect <p>Inspection</p> <ul style="list-style-type: none"> ■ Online Diagnostics ■ Customer Self Service <ul style="list-style-type: none"> □ Local Service Panel / Display 	<p>Uniformed Management</p> <ul style="list-style-type: none"> □ Fujitsu ManageNow® solutions <p>ServerView Integration Packs</p> <ul style="list-style-type: none"> ■ Microsoft SCOM ■ Microsoft SCCM ■ Microsoft SC VMM ■ Microsoft SC PRO Packs ■ VMware vCenter ■ Nagios ■ Icinga ■ HP Operations Manager ■ HP Systems Insight Manager ■ CA Unicenter ■ CA Spectrum □ BMC Patrol <p style="text-align: right;"> ■ = Standard □ = Option </p>

More information on FUJITSU Software ServerView® Suite: www.fujitsu.com/fts/serverview

Support Pack / ServiceContract

Maintenance & Support for Fujitsu Products

Support Pack / ServiceContract

Availability may vary from country to country.

Requirements	Product	Product details	Ordercodes / Comments
<p>Server & Storage availability</p> <p>High</p> <p>Recovery time</p> <p>Medium</p> <p>Onsite Response Time</p> <p>(SLAs are globally available)</p> <p>Low</p>	<p>4 hours (24x7)</p> <p>Onsite services 24x7 with recovery time of 4 hours</p>	<p>Recovery Time: The hardware recovery time is the time in which a service engineer usually recovers the operational readiness of the hardware. The recovery time refers to the time (within the agreed service time) between the call acceptance and the recovery of the operational readiness. Recovery time excludes the time to recover any data on hard disks and installation of any software and OS.</p> <p>Onsite Response Time: If an incident cannot be solved remotely, the on-site response time refers to the time between call acceptance and the arrival of a service engineer with the diagnosed spare part, repair starts after arrival at the customer location. Specific requirements with regards to coverage area and response times are subject to local conditions.</p> <p>Warranty: The Warranty is based on a voluntary obligation of Fujitsu as the manufacturer to the initial purchasers of new devices. The standard warranty period included in the product depends on the product class. For its extension, an respective service option has to be acquired.</p>	
	<p>NBD (9x5)</p> <p>Onsite services 9x5 with recovery the NBD</p>		
	<p>4 hours (24x7)</p> <p>Onsite services 24x7 with response time of 4 hours</p>		
	<p>4 hours (9x5)</p> <p>Onsite services 9x5 with response within 4 hours</p>		
	<p>NBD (9x5)</p> <p>Onsite services 9x5 with response the NBD</p>		
	<p>Warranty prolongation</p>		

Windows Server

FUJITSU Server PRIMERGY and Microsoft® Windows Server®

	OEM	R0K	TX1310 M1	TX1320 M2	TX1330 M2	TX2540 M1	RX1330 M2	RX2520 M1	RX2530 M1	RX2540 M1	RX1TX2560 M1	RX4770 M2	BX2560 M1	CX2550 M1	CX2570 M1	PQ 2400EZ	PQ 2800EZ	PQ 2800BZ
Windows Server® 2012 R2 Foundation	✓	✓	✓	✓	✓		✓											
Windows Server® 2012 R2 Essentials	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Windows Server® 2012 R2 Standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Windows Server® 2012 R2 Datacenter	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Windows Storage Server® 2012 R2 Standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							

Fujitsu delivers Maintenance and Support Services through certified support engineers for x86 servers, ETERNUS storage systems and software: From installing new products to providing fast and uncomplicated support for hardware, software and infrastructures. With the right mix of Maintenance and Support Services, Fujitsu enables the early planning for the availability of IT systems required for state-of-the art business operation. IT staff can concentrate on its core business.

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