Server, Storage & Integrated Systems Product Family Guide

Your fast lane to PRIMERGY / PRIMEQUEST servers, ETERNUS storage and Integrated Systems PRIMEFLEX

FUJITSU

shaping tomorrow with you

Servers for the data-driven world

FUJITSU x86 Servers

Rely on quality — Watch now!

Rely on efficiency — Watch now!

Rely on agility — Watch now!

Rely on integration — Watch now!

FUJITSU x86 Servers
The right computing solution for every purpose

FUJITSU Server systems provide the most powerful and flexible data center solutions for companies of all sizes, across all industries and for any type of workload. This includes expandable tower servers, versatile rack-mount servers and density-optimized multi-node servers as well as GPU servers. They offer compelling business-proven quality with a wide range of innovations, top efficiency that cuts operational costs and complexity, and they provide more agility in daily operations in order to turn IT into a business advantage more quickly.

Optimized x86 server portfolio to power any workload and business demand

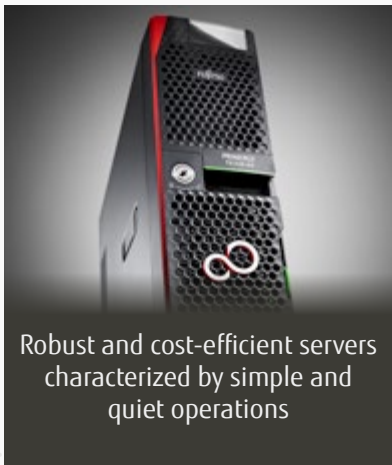Efficient operation and management of IT infrastructures and equipment

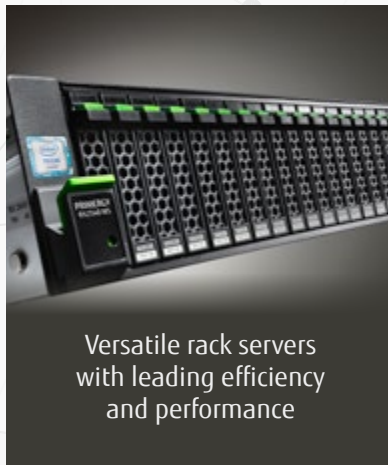| SMBs, edge, branches, office environments	Core business / demanding apps	HPC, cloud and technical computing	AI, data science, VDI, graphics and HPC workloads	Business and mission-critical environments
Robust and cost-efficient servers characterized by simple and quiet operations	Versatile rack servers with leading efficiency and performance	Modular and density-optimized servers to scale efficiently	GPU accelerated servers suited for advanced and futuristic workloads	Business continuity for permanent data access and use cases such as in-memory computing
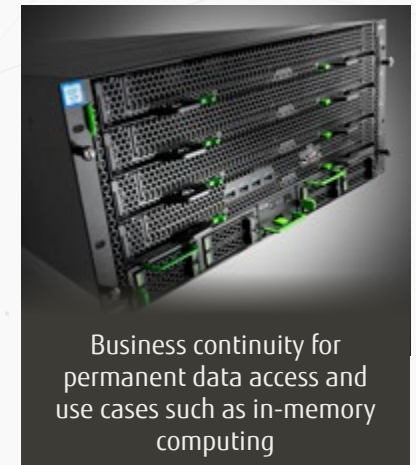
CUSTOMER-INSPIRED AND INNOVATIVE TECHNOLOGY IS INTEGRATED INTO EVERY FUJITSU PRIMERGY SERVER, OFFERING EXCEPTIONAL PERFORMANCE, EFFICIENCY AND RELIABILITY, FROM SMALL BUSINESS OFFICES TO ENTERPRISE DATA CENTERS AND HYPER-SCALE ENVIRONMENTS.

PRIMERGY TX Tower Servers

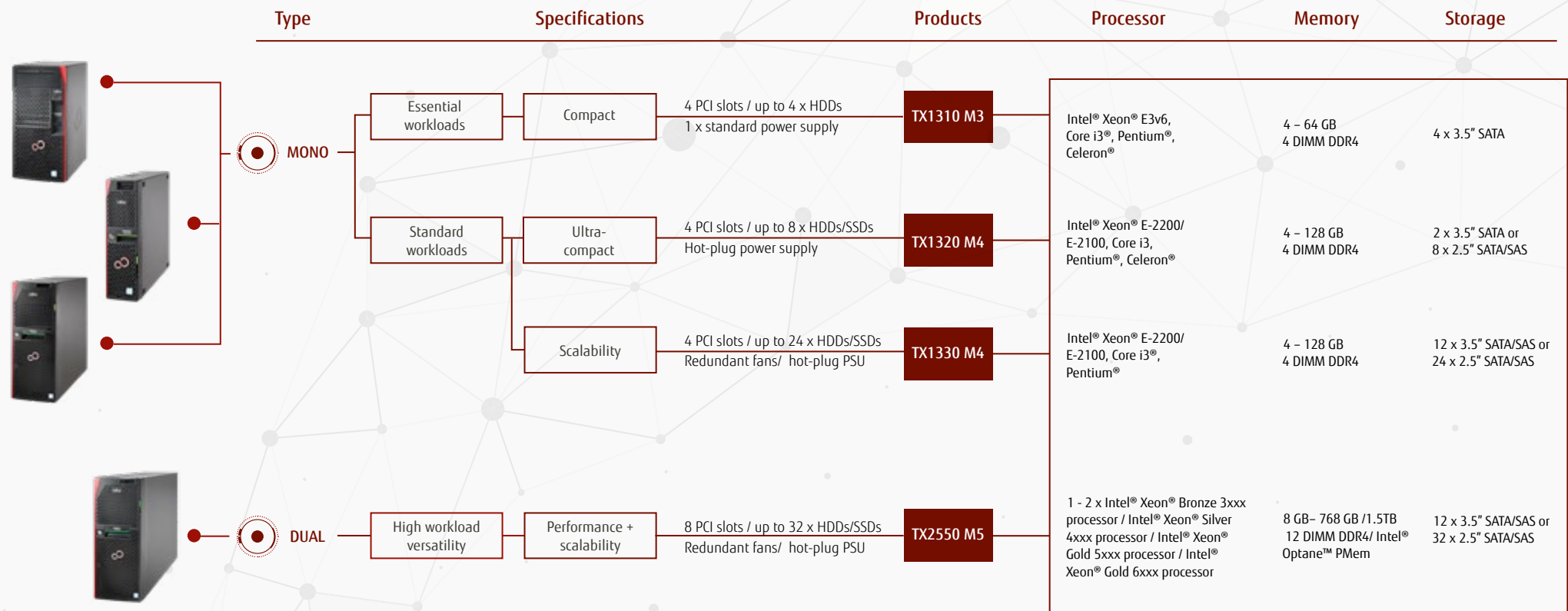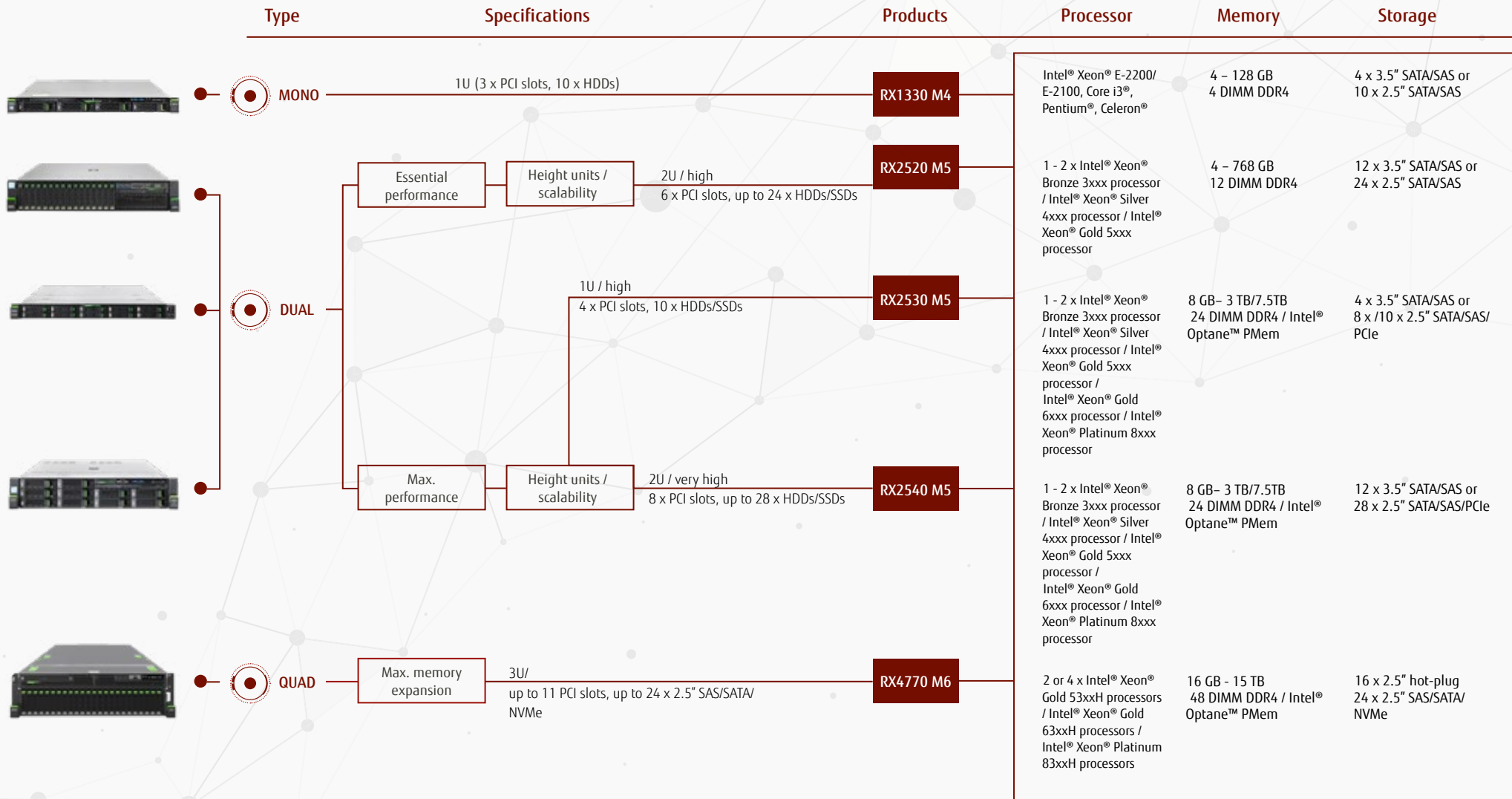The PRIMERGY Tower Servers delivers rock-solid, efficient business value and are the ideal choice for small and medium businesses, and for branch operations. They're also super-simple to run, so you won't need a team of techies to keep your IT working the way it should. In addition, the right-sized tower portfolio also silent enough to run in the office, even on your desk. And should you change your setup later, it's good to know that nearly all PRIMERGY TX servers can also be rack-mounted.

Type	Specifications		Products	Processor	Memory	Storage
MONO	Essential workloads	Compact	TX1310 M3	Intel® Xeon® E3v6, Core i3®, Pentium®, Celeron®	4 – 64 GB 4 DIMM DDR4	4 x 3.5" SATA
	4 PCI slots / up to 4 x HDDs 1 x standard power supply					
	Standard workloads	Ultra-compact	TX1320 M4	Intel® Xeon® E-2200/ E-2100, Core i3, Pentium®, Celeron®	4 – 128 GB 4 DIMM DDR4	2 x 3.5" SATA or 8 x 2.5" SATA/SAS
	4 PCI slots / up to 8 x HDDs/SSDs Hot-plug power supply					
		Scalability	TX1330 M4	Intel® Xeon® E-2200/ E-2100, Core i3®, Pentium®	4 – 128 GB 4 DIMM DDR4	12 x 3.5" SATA/SAS or 24 x 2.5" SATA/SAS
	4 PCI slots / up to 24 x HDDs/SSDs Redundant fans/ hot-plug PSU					
DUAL	High workload versatility	Performance + scalability	TX2550 M5	1 - 2 x Intel® Xeon® Bronze 3xxx processor / Intel® Xeon® Silver 4xxx processor / Intel® Xeon® Gold 5xxx processor / Intel® Xeon® Gold 6xxx processor	8 GB– 768 GB /1.5TB 12 DIMM DDR4/ Intel® Optane™ PMem	12 x 3.5" SATA/SAS or 32 x 2.5" SATA/SAS
	8 PCI slots / up to 32 x HDDs/SSDs Redundant fans/ hot-plug PSU					

PRIMERGY RX Rack Servers

PRIMERGY Rack Servers are versatile, rack-optimized servers providing best-in-class performance and energy efficiency. You can rely on these servers as the backbone of your IT operation, and easily scale them as you grow. Moreover, the PRIMERGY rack server portfolio is performance optimized for multi-application workloads to significantly increase the efficiency of IT operations and enable IT to respond to business needs of any size more quickly.

Type	Specifications	Products	Processor	Memory	Storage
MONO	1U (3 x PCI slots, 10 x HDDs)	**RX1330 M4**	Intel® Xeon® E-2200/ E-2100, Core i3®, Pentium®, Celeron®	4 – 128 GB 4 DIMM DDR4	4 x 3.5" SATA/SAS or 10 x 2.5" SATA/SAS
DUAL	Essential performance — Height units / scalability — 2U / high 6 x PCI slots, up to 24 x HDDs/SSDs	**RX2520 M5**	1 - 2 x Intel® Xeon® Bronze 3xxx processor / Intel® Xeon® Silver 4xxx processor / Intel® Xeon® Gold 5xxx processor	4 – 768 GB 12 DIMM DDR4	12 x 3.5" SATA/SAS or 24 x 2.5" SATA/SAS
	1U / high 4 x PCI slots, 10 x HDDs/SSDs	**RX2530 M5**	1 - 2 x Intel® Xeon® Bronze 3xxx processor / Intel® Xeon® Silver 4xxx processor / Intel® Xeon® Gold 5xxx processor / Intel® Xeon® Gold 6xxx processor / Intel® Xeon® Platinum 8xxx processor	8 GB– 3 TB/7.5TB 24 DIMM DDR4 / Intel® Optane™ PMem	4 x 3.5" SATA/SAS or 8 x /10 x 2.5" SATA/SAS/ PCIe
	Max. performance — Height units / scalability — 2U / very high 8 x PCI slots, up to 28 x HDDs/SSDs	**RX2540 M5**	1 - 2 x Intel® Xeon® Bronze 3xxx processor / Intel® Xeon® Silver 4xxx processor / Intel® Xeon® Gold 5xxx processor / Intel® Xeon® Gold 6xxx processor / Intel® Xeon® Platinum 8xxx processor	8 GB– 3 TB/7.5TB 24 DIMM DDR4 / Intel® Optane™ PMem	12 x 3.5" SATA/SAS or 28 x 2.5" SATA/SAS/PCIe
QUAD	Max. memory expansion — 3U/ up to 11 PCI slots, up to 24 x 2.5" SAS/SATA/ NVMe	**RX4770 M6**	2 or 4 x Intel® Xeon® Gold 53xxH processors / Intel® Xeon® Gold 63xxH processors / Intel® Xeon® Platinum 83xxH processors	16 GB - 15 TB 48 DIMM DDR4 / Intel® Optane™ PMem	16 x 2.5" hot-plug 24 x 2.5" SAS/SATA/ NVMe

PRIMERGY Multi-Node and GPU Servers

PRIMERGY CX Multi-Node Servers

The PRIMERGY CX multi-node systems are the ideal basis for cloud, hyper-converged and high-performance computing solutions. They provide data centers as well as branch offices with massive computing power while at the same time delivering best economics for server density, energy consumption, heat optimization and lower overall operating costs.

Use cases		Specifications	Products	Processor	Memory	Details
■ VDI ■ Virtualization ■ Cloud ■ Web services ■ HPC ■ Technical computing ■ AI ■ Deep learning	Chassis	2U / up to 24 x 2.5" storage drives Redundant, hot-plug components	CX400 M4	-	-	4 bays for nodes Shared infrastructure
	Server Nodes	Cloud/HPC-optimized server node	CX2550 M5	1-2 x Intel® Xeon® Scalable Family	8 - 2048 GB 16 DIMM DDR4/DCPMM	Cost-optimized Air or liquid cooling
		All-around server node	CX2560 M5	1-2 x Intel® Xeon® Scalable Family	8 - 2048 GB 16 DIMM DDR4/DCPMM	6 x 2.5" storage drives DynamicLoM + 2x PCIe, air cooled

PRIMERGY GX GPU Servers

PRIMERGY GX servers are optimized for GPU performance and offer the reliability and cost-effectiveness of our PRIMERGY line to best fit your individual requirements. There is no need for compromise as GX servers are designed to excel at single/multi-GPU accelerated data-driven use cases such as artificial intelligence — especially machine (deep) learning, data science and analytics, VDI and graphics plus futuristic high-performance computing workloads.
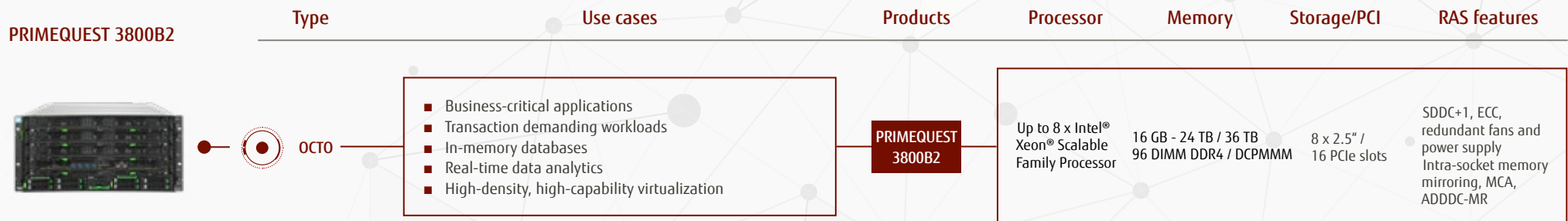
Type	Specifications	Product	Processor	Memory	Storage
DUAL	Up to 4 x NVIDIA® Tesla V100, V100S, T4 NVIDIA® Quadro RTX4000, RTX6000, RTX8000	GX2460 M1	2nd Generation AMD EPYC™ processors (up to 32 cores)	1TB memory with 16 x DDR4 LRDIMM (8 per CPU)	8 x SFF NVME/ SATA drives

FUJITSU Server PRIMEQUEST Systems

Fujitsu Server PRIMEQUEST systems offers unprecedented x86 performance and memory expandability for resource-intensive applications. By uniting the x86 industry standards with mission-critical features, PRIMEQUEST systems delivers availability levels similar to those of UNIX systems — but with the cost advantages of an x86-based architecture.
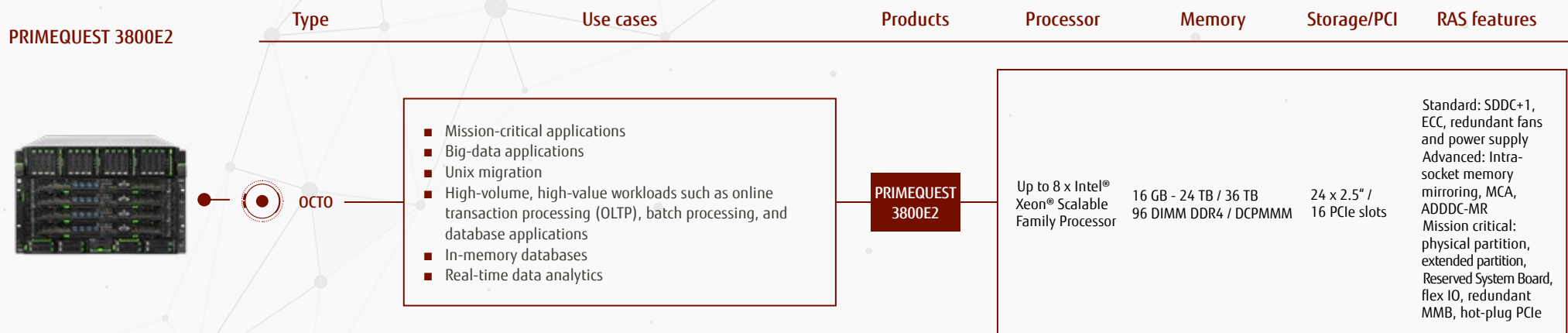
Superior performance and reliability for business-critical workloads with optimized economics
Featuring the latest Intel® Xeon® processor scalable family with up to 28 cores per processor and fastest available DDR4 memory modules with memory capacity of up to 24 TB (DDR4 only) or 36 TB with Intel® Optane™ DC persistent memory, the PRIMEQUEST 3800B2 significantly improves performance for in-memory databases such as SAP HANA® and real-time data analytics, thereby making it the right choice for the most complex business-critical workloads in big-data processing environments.

PRIMEQUEST 3800B2

Type	Use cases	Products	Processor	Memory	Storage/PCI	RAS features
OCTO	■ Business-critical applications ■ Transaction demanding workloads ■ In-memory databases ■ Real-time data analytics ■ High-density, high-capability virtualization	PRIMEQUEST 3800B2	Up to 8 x Intel® Xeon® Scalable Family Processor	16 GB - 24 TB / 36 TB 96 DIMM DDR4 / DCPMMM	8 x 2.5" / 16 PCIe slots	SDDC+1, ECC, redundant fans and power supply Intra-socket memory mirroring, MCA, ADDDC-MR

Redefining mission-critical server architecture
Featuring the latest Intel® Xeon® Platinum processors with up to 28 cores per processor and fastest available DDR4 memory modules with memory capacity of up to 24 TB (DDR4 only) or 36 TB with Intel® Optane™ DC persistent memory, the PRIMEQUEST 3800E2 improves performance for in-memory databases such as SAP HANA® and Microsoft SQL Server 2017, thereby making it the right choice for the most complex mission-critical workloads in big-data processing environments.

PRIMEQUEST 3800E2

Type	Use cases	Products	Processor	Memory	Storage/PCI	RAS features
OCTO	■ Mission-critical applications ■ Big-data applications ■ Unix migration ■ High-volume, high-value workloads such as online transaction processing (OLTP), batch processing, and database applications ■ In-memory databases ■ Real-time data analytics	PRIMEQUEST 3800E2	Up to 8 x Intel® Xeon® Scalable Family Processor	16 GB - 24 TB / 36 TB 96 DIMM DDR4 / DCPMMM	24 x 2.5" / 16 PCIe slots	Standard: SDDC+1, ECC, redundant fans and power supply Advanced: Intra-socket memory mirroring, MCA, ADDDC-MR Mission critical: physical partition, extended partition, Reserved System Board, flex IO, redundant MMB, hot-plug PCIe

Fast track to a data-driven enterprise

FUJITSU Integrated System PRIMEFLEX

Watch now!

FUJITSU Integrated System PRIMEFLEX
Fast track to a data-driven enterprise

Building a data-driven enterprise is a complex process and rides on having a data-architecture foundation that enables companies to scale and adapt on the go. FUJITSU Integrated System PRIMEFLEX is a portfolio of holistic, modern infrastructure offerings that are predefined, preintegrated and pretested for easy and risk-free deployment and increased operational efficiency. The portfolio consists of a series of converged and hyper-converged infrastructure solutions, all of which are hybrid IT-enabled. It comprises ready-to-run solutions and reference architectures, which are easy to adapt to customer-specific requirements, simplifying operation and maintenance with end-to-end solution support from a single point of contact. The deployment and integration services also ensure a smooth integration into existing operation.

Virtualization and cloud

PRIMEFLEX for VMware vSphere

Converged infrastructure for deploying VMware vSphere-based infrastructure with external all-flash or hybrid storage from FUJITSU. It includes multiple configurations varying in size, scales from 2 up to 64 servers and can support 4,000+ VMs.

Computing:	PRIMERGY RX	**Software:**	VMware vSphere
Storage:	ETERNUS DX / AF	**Optional:**	VMware Horizon
Network:	Extreme networks	**Management:**	Fujitsu ISM
Optional:	Broadcom FC switches		

PRIMEFLEX for VMware vSAN

Hyper-converged system based on VMware software-defined server with storage technology delivered by the VMware HCI software stack. The system is available both as a ready-to-run appliance or in various flexible vSAN ReadyNodes configurations with pre-installed software scaling from 2 to 64 server nodes. The solution also includes configurations certified for SAP HANA.

Computing/storage:	PRIMERGY RX / CX
Software:	VMware vSphere, vSAN
Optional:	VMware Horizon
Management:	Fujitsu ISM

PRIMEFLEX for VMware cloud foundation

Hyper-converged system for deploying a VMware-based software-defined data center infrastructure. The system is available in various configurations from 4 to 240 server nodes.

Computing/storage:	PRIMERGY RX
Network:	Extreme networks
Software:	VMware Cloud Foundation
Optional:	VMware Horizon, vRealize
Management:	Fujitsu ISM (optional)

PRIMEFLEX for Microsoft Azure Stack HCI

Hyper-converged system based on Microsoft software-defined server and storage technology integrated in Windows Server 2019. The system is available in various validated and certified configurations scaling from 2 to 16 server nodes.

Computing/storage:	PRIMERGY RX
Software:	Windows Server 2019 Datacenter Edition (Hyper-V and Storage Spaces Direct)
Optional:	Microsoft System Center

FUJITSU Integrated System PRIMEFLEX

Fast track to data-driven enterprise

Virtualization and cloud

PRIMEFLEX for Nutanix Enterprise Cloud

A multi-hypervisor infrastructure, PRIMEFLEX for Nutanix Enterprise Cloud helps customers to eliminates complexity and risk in deploying a hyper-converged infrastructure based on the Nutanix Enterprise Cloud software stack. The solution also includes configurations certified on SAP HANA HCI.

Computing:	PRIMERGY
Hypervisor:	Choice of AHV or ESXi
Operating system:	Acropolis
Management:	Prism

SAP

As an SAP Global Partner for technology and services, Fujitsu provides enterprises with end-to-end support at the application and IT infrastructure levels, to implement and run SAP systems, including strategic consulting and developing business processes further.

PRIMEFLEX for SAP HANA

SAP-validated infrastructure solution for the SAP HANA® software. It is based on Fujitsu PRIMERGY and PRIMEQUEST servers optimized for in-memory technology. The complementary on-site services ensure fast and non disruptive implementation and operation at the customer site.

Computing: PRIMERGY and PRIMEQUEST
Storage: ETERNUS / NetApp / TDI support (opt. for single node)
Network: Broadcom, Cisco (multi-node only)
Software: SUSE or Red Hat Linux; optional: VMware vSphere

PRIMEFLEX for SAP landscapes

Powered by FlexFrame Orchestrator management software, the setup of infrastructures optimized for SAP applications and databases is simplified and a more effective operation enabled. The predefined, preintegrated and pretested combination of servers, storage, network connectivity and software ensure the highest quality and fast time to value.

Computing: PRIMERGY and PRIMEQUEST
Storage: NetApp for shared image; ETERNUS / NetApp for database
Network: Cisco
Software: FUJITSU FlexFrame Orchestrator, SUSE Linux
Optional: VMware vSphere, extension packs (e.g, from LNW Soft)

Helping organizations identify potential gaps across their heterogeneous database and SAP application environment using the following:

>> FUJITSU inspection service for SAP solutions
With this hardware-agnostic solution, Fujitsu helps customers holistically in their data-driven intelligent enterprise journeys.

>> SAP process automation
This solution helps optimize and automate SAP operations across organizations and ensures operational efficiency.

Data-centric Storage

FUJITSU ETERNUS Storage

Be ready for what's next — Watch now!

Transform with flash — Watch now!

FUJITSU Storage Products
ETERNUS: Data-centric storage

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

FUJITSU Storage

All-flash and hybrid storage systems

Combining leading performance architecture with automated quality of service management the ETERNUS online storage provide powerful features for digital growth, efficiency and continuity.

Software-defined Storage

Software-Defined Storage (SDS) solutions from Fujitsu are specifically designed to manage explosive data growth, better support modern workloads and provide greater compatibility for multi-cloud environments.

Data-protection appliances

Data-protection appliances from Fujitsu simplify your backup and archive infrastructure and transform your IT landscape into a genuine enabler for digital business growth, efficiency and continuity.

Tape storage systems

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

FUJITSU Storage ETERNUS

ETERNUS online storage family

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

SDS familiy

Share and control data across a multitude of locations and between different applications for broader business usage.

ETERNUS CS family

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

ETERNUS LT family

Highly automated, simple and remote operation without any demand for local expertise.

FUJITSU ETERNUS Storage
Online storage made easy

ETERNUS AF all-flash arrays

	Specifications	Product	Host interfaces	Functions

NUMBER OF DRIVES

Specifications	Product	Host interfaces	Functions
max. 24, 92 TB raw	AF150	8 x FC 16G / 8 x iSCSI 10G	ETERNUS SF Express
max. 264, 8,110 TB raw 40,550 TB effective *	AF250	8 x FC 32G / 16 x FC 16G / 8 x iSCSI 10G	All-in FlashPack (configuration, management and administration, local and remote copy, automated quality of service, deduplication and/or compression)
max. 1056, 32,440 TB raw 162,200 TB effective *	AF650	32 x FC 32G / 32 x FC 16G / 16 x iSCSI 10G	

ETERNUS DX hybrid storage systems

None — Connectivity / scalability

Specifications	Product	Host interfaces	Functions
max. 4 host ports/ 96 drives (31 TB SSD / 768 TB HDD)	DX60	8 / 16 Gbps FC, 1 / 10 Gbps iSCSI, 6 / 12 Gbps SAS	RAID protection and redundancy; ETERNUS SF management software offers local advanced copy, thin provisioning

REMOTE

Required — Connectivity / scalability

Specifications	Product	Host interfaces	Functions
max. 16 host ports/ 144 drives (4424 TB SSD / 2304 TB HDD)	DX100	8 / 16 / 32 Gbps FC, 1 / 10 Gbps iSCSI, 12 Gbps SAS,1 / 10 Gbps Ethernet	RAID protection, encryption and redundancy; ETERNUS SF management software offering local advanced copy, transparent failover, automated storage tiering, automated quality-of-service, thin provisioning, deduplication and/or compression on volume base
max. 16 host ports/ 264 drives (8110 TB SSD / 4224 TB HDD)	DX200	8 / 16 / 32 Gbps FC, 1 / 10 Gbps iSCSI, 12 Gbps SAS, 1 / 10 Gbps Ethernet	
max. 16 host ports/ 576 drives (17695TB SSD / 8890 TB HDD)	DX500	8 / 16 / 32 Gbps FC, 1 / 10 Gbps iSCSI, 1 / 10 Gbps Ethernet	
max. 32 host ports/ 1056 drives (32440 TB SSD / 16570 TB HDD)	DX600	8 / 16 / 32 Gbps FC, 1 / 10 Gbps iSCSI, 1 / 10 Gbps Ethernet	
max. 64 host ports / 2304 drives (70779 TB SSD / 36211 TB HDD)	DX900	8/ 16/ 32 Gbps FC, 1 / 10 Gbps iSCSI	
max. 384 host ports/ 6912 drives (141558 TB SSD / 106560 TB HDD	DX8900	8 / 16 / 32 Gbps FC,1 / 10 Gbps iSCSI	

Description

ETERNUS SF at a glance

ETERNUS SF: Flexible data management

The ETERNUS SF storage management software is the uniform management solution for the entire ETERNUS AF and 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 AF all-flash and ETERNUS DX hybrid storage systems, from entry-level through the enterprise as well as virtualized server infrastructures.

- 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

* Calculation based on deduplication/compression factor of five

FUJITSU ETERNUS Storage
Software-defined storage made easy

SOFTWARE-DEFINED STORAGE	Architecture	Data access	Product	Main use cases	Highlights
		BLOCK STORAGE	ETERNUS DSP	■ Virtualization ■ xSP ■ Databases ■ OLAP ■ Hybrid data centers	■ NVMe ■ Automation/ REST APIs ■ Multi tenancy ■ Dedup/compression ■ AIOPS predictive analytics ■ Broad support for container technologies
	SCALE-OUT / SCALE-ACROSS	FILE STORAGE	QUMULO FILE DATA PLATFORM	■ File share ■ Video surveillance ■ Analytics ■ Hybrid data centers ■ xSP ■ HPC	■ All-NVMe cluster (option) ■ Automation/ REST APIs ■ Real-time analytics ■ Tens of billions of files (of any file size) ■ Flash-first architecture

FUJITSU ETERNUS storage
Data protection made easy

ETERNUS CS800
backup appliance

	Specifications		Product	Key feature	Data protection functions	Usability
Usable capacity after data reduction	11-23 TB		CS800 ENTRY/Scale	Deduplication	Disk-based backup and recovery, replication, path-to-tape, multiprotocoll support (NAS, VTL, OST), backup target in the cloud	Easy setup in just a few steps, automated operation, simple user interface for maintenance and analytics
	11-315 TB					
	51-1020 TB		CS800 ENTERPRISE			

ETERNUS CS8000
Central storage for backup, archive, second-tier and object data

	Specifications		Product	Backup	Archive
Architecture	Branch-office backup		CS8050	VTL, VTL with dedup 14 TB (up to one back-end tape library)	NAS protocol for CS8050 only with dedicated CS8050 NAS model (see archive appliance)
	Scale-up backup Scale-up archive		CS8200	VTL, VTL with dedup 19 TB-6 PB (up to 10 back-end tape libraries)	NAS (NFS / CIFS), object 19 TB-6 PB
	Scale-out backup and/or archive	single-site	CS8400 / CS8800	VTL, VTL with dedup,NAS (NFS or CIFS), object 19 TB-96 PB (up to 10 back-end tape libraries)	
		split-site			

ETERNUS CS8050 NAS
archive appliance

	Specifications	Product	Description	Data protection functions
Usable capacity	28, 42, 56, 70 TB	CS8050 NAS	Reliable, cost-efficient storage appliance for archiving and second-tier file storage	Archiving; integrated, snapshot-based backup; recovery; replication; SoftWORM

ETERNUS LT tape
storage systems

	Specifications	Product	Interface	Max. drives	Description
No. of slots / max. capacity (native)	8 slots / up to 96 TB	LT20 S2	SAS or FC	1	LTO 6/ LTO 7/ LTO 8 drive with 20 TB (LTO-6) or 48 TB (LTO-7) or 96 TB (LTO 8) capacity native
	20 - 280 slots/ up to 3360 TB	LT140	SAS or FC	21	LTO 6/ LTO 7/ LTO 8 drive with 700 TB (LTO-6) or 1680 TB (LTO-7) or 3360 TB (LTO 8) capacity native
	80 – 560 slots / up to 6720 TB	LT260	SAS or FC	42	LTO 6/ LTO 7/ LTO 8 with 1400 TB (LTO-6) or 3360 TB (LTO-7) or 6720 TB (LTO 8) capacity native

FUJITSU ecosystem with partners
Data protection made easy

Fujitsu reference architecture

Specifications		Product	Description	Data-protection functions
Usable capacity	48 - 336 TB per node	Reference architecture for Commvault HyperScale™ Software	Fully-tested, easy-to-set-up solution based on FUJITSU Server PRIMERGY to protect data in physical, virtual or cloud-based data centers	Backup and recovery, deduplication, compression, encryption, archiving, application support, snapshot, replication, tape and cloud backup

Commvault appliance

Specifications		Product	Description	Data Protection Functions
Usable capacity	4.5, 14.5 TB	RO1100	Integrated backup appliance based on FUJITSU server PRIMERGY for remote/branch offices	Backup and recovery, deduplication, compression, encryption, archiving, application support, snapshot, replication, tape and cloud backup
	29, 43, 58, 87 TB	HS1300	All-in-one backup appliance based on FUJITSU server PRIMERGY. It provides mid-sized to large environments with a customizable, self-contained solution for professional backup	
	174, 262 TB	HS3300		

Veritas NetBackup appliance

Specifications		Product	Description	Data-protection Functions
Usable capacity	250 TB	NBU Virtual Appliance	Simplified remote office protection for virtual environments by leveraging existing hardware infrastructure	Backup and recovery, deduplication, compression, encryption, archiving, application support, snapshot, replication, tape and cloud backup
	10 - 442 TB	NBU 5250	All-in-one backup appliance provides midsized-to-large environments with a customizable, self-contained solution for professional backup	
	120 – 1920 TB	NBU 5340		

Commvault data platform	Simplifies an IT organizations, ability to manage data across its lifecycle with integrated modules for backup and recovery, archive, replication, analytics and more. Commvault HyperScale™ software is a powerful, cloud-ready solution bringing scale-out infrastructure to the Commvault data platform.
Veritas NetBackup	Simplifies the protection of your information-driven enterprise by automating advanced technologies and standardizing operations across applications, platforms and virtual environments.
Veritas EnterpriseVault	The industry's most widely deployed archiving solution, is a platform that bridges the gap between a company's legal department and IT by adding intelligence to the way organizations store, manage and discover information.

How Fujitsu
helps you to keep
everything
running smoothly

FUJITSU Software Infrastructure Manager (ISM)
The holistic approach for simplifying data center management

The FUJITSU Software Infrastructure Manager (ISM) is a converged data center management solution that provides organizations centralized control over the entire infrastructure, includes servers, storage, networking and cloud management software as well as power and cooling using a single user interface.

FUJITSU Software Infrastructure Manager

Product highlights include:

1. Converged management: Simplified IT operations and consistent management across server, storage and networking

2. Increased agility: Intuitive software providing actionable insights leading to reduced customer response time

3. Accelerated growth and innovation: Streamlined delivery of IT services to speed the transition to hybrid cloud

ISM offers flexible options to meet different business needs

ISM Advanced
- *Fully-featured advanced version that provides infrastructure management across multiple data centers*
- *Also monitors third-party vendor devices in addition to integrating into VMware, Microsoft System Center, and Ansible environments.*

ISM Essential
- *Provides a quick start to efficient infrastructure management with converged monitoring and management capabilities free-of-charge*
- *Provides an easy upgrade path to ISM Advanced license*

More information on ISM: www.fujitsu.com/infrastructuremanagement

Designed the way people work, ISM provides an integrated view and centralized control over heterogeneous environments.

Dynamize IT – simple, sophisticated, efficient
- Converged management
- Auto discovery
- Virtual-IO management
- Network topology management

Control IT – centralized, easy, efficient
- Node management
- Health status monitoring a control
- Capacity/threshold management
- Power management

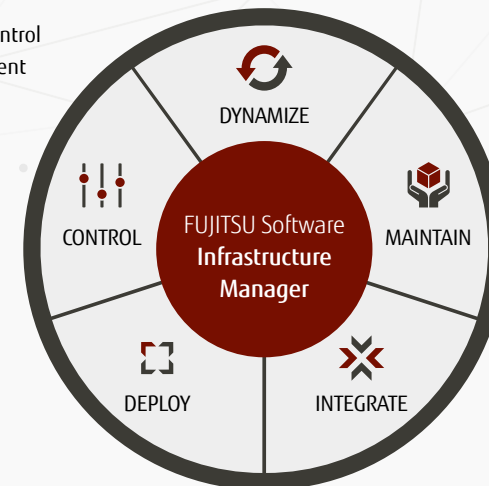**Mantain IT – in any state, at any place**
- Remote management
- Update management
- Logging and auditing

Deploy IT – fast, easy, reliable
- Automated device configuration
- Mass OS installation

Integrate IT – seamless, manageable, uniform
- in enterprise management
- in vendor-specific management
- Monitoring of third-party platforms

FUJITSU Software Infrastructure Manager (ISM)
The holistic approach for simplifying data center management

Servers-storage-networking

ISM Advanced

DEPLOY
- Automated device configuration
- Mass OS installation

CONTROL
- Node management
- Health status
- Event management
- Capacity/threshold mgmt.
- Group power capping
- Power consumption
- Inventory management

MAINTAIN
- Update management
- Firmware baseline
- Logging and auditing
- Performance management
- Archive management

DYNAMIZE
- Dashboard
- Auto discovery
- Virtual-IO management
- Network topology management

INTEGRATE
- In enterprise mgmt.
- In vendor-specific management
- In third-party platforms (monitoring only)

Upgrade option available

ISM Essential

ISM Essential is a standard version of ISM, providing essential monitoring and update capabilities

Get started with ISM Essential:
>> Download for free
www.fujitsu.com/global/products/
computing/servers/infrastructure-
management/index.html#highlight

CONTROL
- Node management
- Health status
- Event management
- Capacity/threshold mgmt
- Power consumption
- Inventory management

MAINTAIN
- Update management
- Logging and auditing
- Performance management

DYNAMIZE
- Dashboard
- Auto discovery

More information on ISM: www.fujitsu.com/infrastructuremanagement