Server, Storage & Integrated Systems Family Guide

Your fast lane to PRIMERGY® / PRIMEQUEST® servers, ETERNUS® storage and PRIMEFLEX® Integrated Systems
Digitalization: Your Data Center is the foundation
FUJITSU Business-Centric Data Center

We live in a world where people are constantly connected. As individuals we want more intuitive services. Be it large or small and medium-sized businesses, both must adapt to this rising demand and what it means for their ICT. It all depends on what you do with your IT. There can be no ‘one-size-fits-all’ approach to your data center. So we start with your business priorities then match the right mix of products, services and solutions. That way you get an end-to-end approach that can deliver what your enterprise demands. See how Fujitsu can help large or growing businesses achieve their business objectives.

### On Premise - Hybrid IT - In the Fujitsu Cloud

### Managed by yourself - Managed by Fujitsu

### Robust IT - Bimodal - Fast IT

#### Business-Centric COMPUTING

Fujitsu Business-Centric Computing will give you the servers you need to power any workload and changing business requirements.

#### Business-Centric STORAGE

Fujitsu ETERNUS Business-centric Storage supports your business better to help you achieve your goals.

#### Business-Centric INTEGRATED SYSTEMS

Building data center infrastructure is often complex and time-consuming. You’ll know the do-it-yourself approach can be risky and expensive. With Fujitsu Business-Centric Integrated Systems you can make the difference.
FUJITSU Server Enterprise Products
Ensure your servers serve the business

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.

Optimized x86 server portfolio to power any workload and business demand

- Perfect for SMB's, branches and office environments
- Core Business and Data Demanding Applications
- HPC, Cloud, Technical Computing and Deep Learning
- Business and Mission-critical environments
- Operation and Management

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
Business continuity for permanent data access and use cases such as in-memory computing
Efficient operation and management of IT infrastructures and equipment
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.

### PRIMERGY TX Server

<table>
<thead>
<tr>
<th>Type</th>
<th>Specifications</th>
<th>Products</th>
<th>Processor</th>
<th>Memory</th>
<th>Storage</th>
<th>Ordercodes / Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mono</td>
<td>Essential Workloads</td>
<td>Compact</td>
<td>4 PCI slots / up to 4 x HDDs</td>
<td>Intel® Xeon® E3v6, Core i3®, Pentium®, Celeron®</td>
<td>4 – 64 GB</td>
<td>4 x 3.5” SATA</td>
</tr>
<tr>
<td>Dual</td>
<td>Standard Workloads</td>
<td>Compact</td>
<td>4 PCI slots / up to 8 x HDDs/SSDs</td>
<td>Intel® Xeon® E3v6, Core i3®, Pentium®, Celeron®</td>
<td>4 – 64 GB</td>
<td>2 x 3.5” SATA or 8 x 2.5” SATA/SAS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ultra-compact</td>
<td>Hot plug power supply</td>
<td>Intel® Xeon® E3v6, Core i3®, Pentium®, Celeron®</td>
<td>4 – 64 GB</td>
<td>12x 3.5” SATA/SAS or 24 x 2.5” SATA/SAS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Redundancy</td>
<td>Redundant fans/ Hot plug PSU</td>
<td>Intel® Xeon® E3v6, Core i3®, Pentium®, Celeron®</td>
<td>4 – 64 GB</td>
<td>12x 3.5” SATA/SAS or 24 x 2.5” SATA/SAS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Performance + Scalability</td>
<td>8 PCI slots / up to 32 x HDDs/SSDs</td>
<td>Intel® Xeon® Scalable Family</td>
<td>4 – 768 GB</td>
<td>12x 3.5” SATA/SAS or 32 x 2.5” SATA/SAS</td>
</tr>
</tbody>
</table>

### PRIMERGY RX Server

<table>
<thead>
<tr>
<th>Type</th>
<th>Specifications</th>
<th>Products</th>
<th>Processor</th>
<th>Memory</th>
<th>Storage</th>
<th>Ordercodes / Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mono</td>
<td>Essential performance</td>
<td>1U (3 x PCI slots, 4 x HDDs)</td>
<td>Intel® Xeon® E3v6, Core i3®, Pentium®</td>
<td>4 – 64 GB</td>
<td>4 DIMM DDR4</td>
<td>4 x 3.5” SATA/SAS or 10 x 2.5” SATA/SAS</td>
</tr>
<tr>
<td>Dual</td>
<td>Height units / scalability</td>
<td>2U / low</td>
<td>4 x PCI slots, 4 x HDDs/SSDs</td>
<td>1-2 x Intel® Xeon® E5-2600v4</td>
<td>4 – 384 GB</td>
<td>48 DIMM DDR4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2U / high</td>
<td>6 x PCI slots, up to 24 x HDDs/SSDs</td>
<td>1-2 x Intel® Xeon® Scalable Family</td>
<td>4 – 384 GB</td>
<td>12x 3.5” SATA/SAS or 24 x 2.5” SATA/SAS</td>
</tr>
<tr>
<td>Quad</td>
<td>Max. performance</td>
<td>2U / very high</td>
<td>8 x PCI slots, up to 28 x HDDs/SSDs</td>
<td>1-2 x Intel® Xeon® Scalable Family</td>
<td>8 – 3072 GB</td>
<td>24 x 3.5” SATA/SAS or 8x/10x 2.5” SATA/SAS</td>
</tr>
<tr>
<td></td>
<td>Height units / scalability</td>
<td>2U</td>
<td>8 x PCI slots, up to 16x HDDs/SSDs</td>
<td>1-2 x Intel® Xeon® Scalable Family</td>
<td>8 – 3072 GB</td>
<td>24 x 3.5” SATA/SAS or 28 x 2.5” SATA/SAS</td>
</tr>
<tr>
<td></td>
<td>Max. memory expansion</td>
<td>2U</td>
<td>8 x PCI slots, up to 16x HDDs/SSDs</td>
<td>2-4 Intel® Xeon® Scalable Family</td>
<td>16 GB - 6 TB</td>
<td>16 x 2.5” hot-plug SAS/SATA/SSD</td>
</tr>
</tbody>
</table>
FUJITSU Server PRIMERGY Scale-out Systems
Platform for cloud, HPC, and large scale-out computing

FUJITSU Server PRIMERGY CX scale-out systems are built for cloud computing scenarios, high performance computing, service providers and large server farms. They focus on providing large datacenters with massive scale-out x86 server power while at the same time delivering best economics for server density, energy consumption, heat optimization and lower overall operational costs. Massive scale-out x86 server power while at the same time delivering best economics for server density, energy consumption, heat optimization and lower overall operating costs.

Workload-specific power in a compact and modular form factor
The PRIMERGY CX400 M4 is a modular enclosure for the Fujitsu scale-out ecosystem that combines the density and efficiency of blade-like servers with the simplicity and cost benefits of rack-based systems.

Your platform for highly parallel computing
The PRIMERGY CX600 M1 is the perfect choice for highly parallel applications in the area of scientific research, product development and business intelligence.
FUJITSU Server PRIMEQUEST Systems
Scalable platform for business-critical and mission-critical applications

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 12TB total capacity, the PRIMEQUEST 3800B improves performance for in-memory databases such as SAP HANA® and real-time data analytics. Along with uncompromising performance, the PRIMEQUEST 3800B’s optimized economics in a compact 5U chassis and advanced RAS features that prevent errors in advance, make it the right choice for demanding corporate databases, in-memory solutions and business-critical applications.

#### Type
- **PRIMEQUEST 3800B**
  - **Octo**

#### Use Cases
- Business-critical applications
- Transaction demanding workloads
- In-memory databases
- Real-time data analytics
- High-density, high-capability virtualization

#### Products
- **PRIMEQUEST 3800B**
  - Processor: 2, 4, 6, 8 x Intel® Xeon® Platinum Processor
  - Memory: 32 GB - 12 TB
  - Storage / PCI: 96 DIMM DDR4
  - 8 x 2.5" / 16 PCIe slots

#### RAS Features
- SDCC+1, ECC, redundant fans and power supply
- Intra-socket memory mirroring, MCA, ADDDC-MR

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Redefining mission-critical server architecture

FUJITSU Server PRIMEQUEST 3400E/3800E Mission Critical systems unify the economic and flexibility benefits of x86 industry standard servers with mission-critical uptime features. Featuring four/eight of the Intel® Xeon® Processor Scalable Family provided with up to 112/224 cores and up to 12 TB DDR4 memory, the PRIMEQUEST 3400E/3800E provide unprecedented performance and memory capacity for demanding solutions. Along with uncompromising performance, the PRIMEQUEST 3400E/3800E dramatically simplify server architecture for mission-critical computing and come in an all-new compact 7U form factor. This enhanced performance in a significantly smaller form factor, results in lower power consumption and helps reduce the environmental footprint in a data center leading to significant cost savings. Moreover, mission critical features enable for an outstanding platform reliability with innovative error prevention and self-healing capabilities.

#### Type
- **PRIMEQUEST 3x00E**
  - **Quad**
  - **Octo**

#### Use Cases
- 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

#### Products
- **PRIMEQUEST 3400E**
  - Processor: Up to 4 x Intel® Xeon® Platinum/Gold Processor
  - Memory: 16 GB - 6 TB
  - Storage / PCI: 48 DIMM DDR4
  - 24 x 2.5" / 16 PCIe slots

- **PRIMEQUEST 3800E**
  - Processor: Up to 8 x Intel® Xeon® Platinum Processor
  - Memory: 16 GB - 12 TB
  - Storage / PCI: 96 DIMM DDR4
  - 24 x 2.5" / 16 PCIe slots

#### RAS Features
- Standard - SDCC+1, ECC, redundant fans and power supply
- Advanced - Intra-socket memory mirroring, MCA, ADDDC-MR
- Mission Critical - Physical Partition, Extended Partition, Reserved Systemboard, Redundant MMB, hot-plug PCIe
FUJITSU Integrated System PRIMEFLEX
Your Fast Track to Data Center Infrastructures

FUJITSU Integrated System PRIMEFLEX is a pre-integrated and pre-tested combination of servers, storage, network connectivity and software. PRIMEFLEX includes both ‘ready to run’ systems which are pre-installed at the factory, and customizable reference architectures. This reduces complexity, project time, risk and cost, while increasing operational efficiency. Flexible services options such as consulting, design, on-site deployment, integration into existing environments, migration services and overall support delivered by Fujitsu or its partners enable worry-free operation. Pay-as-you-go financing options are also available. FUJITSU Integrated System PRIMEFLEX addresses business-critical use cases, such as virtualization, private cloud, Big Data and Analytics, High Performance Computing and SAP environments.

<table>
<thead>
<tr>
<th>Integrated System</th>
<th>Short description</th>
<th>Core components</th>
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</thead>
</table>
| **PRIMEFLEX for VMware vSAN** | Hyper-converged system based on VMware software-defined server and storage technology delivered by the VMware HCI software stack. The system is available in various vSAN Ready Nodes configurations with pre-installed software scaling from 2 to 64 server nodes. | Compute / Storage: PRIMERGY RX / CX  
Software: VMware vSphere, vSAN, vCenter  
Optional: VMware Horizon |
| **PRIMEFLEX for Microsoft Storage Spaces Direct** | Hyper-converged system based on Microsoft software-defined server and storage technology integrated in Windows Server 2016. The system is available in various validated and certified configurations scaling from 2 to 16 server nodes. | Compute / Storage: PRIMERGY RX  
Software: Windows Server 2016 DC (Hyper-V and Storage Spaces Direct)  
Optional: SystemCenter |
# FUJITSU Integrated System PRIMEFLEX

Addressing our customers’ needs

<table>
<thead>
<tr>
<th>Integrated System</th>
<th>Short description</th>
<th>Core components</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRIMEFLEX for SAP HANA</strong></td>
<td>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 a fast and non-disruptive implementation and operation at the customer site.</td>
<td>Compute: PRIMERGY / PRIMEQUEST  Storage (optional for single-node): ETERNUS / NetApp / TDI support  Network (multi-node only): Brocade, Cisco  Software: SUSE or Red Hat Linux / Optional: VMware vSphere</td>
</tr>
<tr>
<td><strong>PRIMEFLEX for SAP Landscapes</strong></td>
<td>Powered by the FlexFrame Orchestrator software component, the set-up of infrastructures optimized for SAP applications and databases is simplified and a more effective operation enabled. The pre-defined, pre-integrated and pre-tested combination of servers, storage, network connectivity and software ensure highest quality and fast time to value.</td>
<td>Compute: PRIMERGY / PRIMEQUEST  Storage: NetApp for shared image; ETERNUS / NetApp for database  Network: Brocade, Cisco  Software: FUJITSU FlexFrame Orchestrator; SUSE Linux  Optional: VMware vSphere, extension packs (e.g. from LNW Soft)</td>
</tr>
</tbody>
</table>
**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 AF all-flash and ETERNUS DX hybrid storage 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.

<table>
<thead>
<tr>
<th>FUJITSU Storage</th>
<th>FUJITSU Storage ETERNUS</th>
</tr>
</thead>
</table>
| **All-flash and Hybrid Storage Systems**  
Combining leading performance architecture with automated quality of service management the ETERNUS AF and ETERNUS DX systems provide powerful features for digital growth, efficiency and continuity. |  
**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. |  
**ETERNUS AF/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

#### ETERNUS AF all-flash arrays

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<tr>
<th>Specifications</th>
<th>Product</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Drives</td>
<td>max. 48, 737 TB raw / 3686 TB effective*</td>
<td>AF250</td>
</tr>
<tr>
<td></td>
<td>max. 192, 2561 TB raw / 14745 TB effective*</td>
<td>AF650</td>
</tr>
</tbody>
</table>

#### ETERNUS DX hybrid storage systems

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Product</th>
<th>Host interfaces</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connectivity / Scalability</td>
<td>8/16 Gbit/s FC, 1/10Gbit/s (10GBase-T) iSCSI, 3/6 Gbit/s SAS</td>
<td><strong>DX60 S4</strong></td>
<td>RAID Protection and Redundancy; ETERNUS SF Management Software offers Local Advanced Copy, Thin Provisioning</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>DX100 S4</strong></td>
<td>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</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>DX200 S4</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>DX500 S4</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>DX600 S4</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>DX8700 S3</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>DX8900 S4</strong></td>
<td></td>
</tr>
</tbody>
</table>

* Calculation based on deduplication/compression factor of five
# FUJITSU ETERNUS Storage
## Online storage made easy

### ETERNUS SF - Flexible Data Management

**Description**
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.

### ETERNUS Snapshot Manager - Efficient Snapshot Management

**Description**
The ETERNUS Snapshot Manager (ESM) is a feature rich software to manage and catalog application-consistent hardware snapshots of ETERNUS AF and ETERNUS DX arrays without scripting. The software offers granular recovery of data across physical and virtual environments to minimize downtime and enhance business productivity.

### ETERNUS CD10000 Hyper-scale storage appliance

**Description**
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 CD1000 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.”

### ETERNUS SF at a glance

- 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

### ETERNUS Snapshot Manager at a glance

- Manages and catalogs application-consistent hardware snapshots of ETERNUS AF/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

<table>
<thead>
<tr>
<th>Decption</th>
<th>At a glance</th>
<th>Host Connectivity Options</th>
<th>Software Version</th>
<th>Hardware platform</th>
<th>Basic configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ETERNUS CD10000 Hyper-scale storage appliance</strong></td>
<td><strong>Nearly unlimited and flexible scalability of capacity and performance</strong></td>
<td><strong>Unified: Block, File and Object</strong></td>
<td><strong>Based on Open Source Ceph storage software</strong></td>
<td>Standard PRIMERGY server and network components</td>
<td>4x Basic node + 1x Management node</td>
</tr>
</tbody>
</table>
## FUJITSU ETERNUS Storage
Data Protection made easy

### Specifications

<table>
<thead>
<tr>
<th>ETERNUS CS800 backup appliance</th>
<th>8-24 TB</th>
<th>8-120 TB</th>
<th>32 – 352 TB</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETERNUS CS8000 V6.1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Datacenter solution for backup and archive automation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETERNUS LT tape storage systems</td>
<td>1 slot / up to 2.5 TB</td>
<td>8 slots / up to 48 TB</td>
<td>20 - 280 slots / up to 3,360 TB</td>
</tr>
</tbody>
</table>

### Key Feature

- Deduplication

### Data Protection Functions

- Disk-based backup and recovery, replication, path-to-tape, multiprotocol support (NAS, VTL, OST), backup target in the cloud

### Usability

- Easy setup in just a few steps, automated operation, simple user interface for maintenance and analytics

### Product

<table>
<thead>
<tr>
<th>ETERNUS CS800 S6 Entry</th>
<th>8-24 TB</th>
<th>8-120 TB</th>
<th>32 – 352 TB</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETERNUS CS800 S6 Scale</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Backup

- VTL, VTL with Dedup (FC 16 GB); Virtual tape drives: 32 / Back-end tape support

### Archive / second-tier files

- (no NAS protocol)
- Host connectivity: NAS (NFS / CIFS), 1GbE or 10GbE; Number of Files: 2 Billion; Back-end tape support with CS8400, CS8800

### Description

- 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 / LTO-8 with 420 TB (LTO-5) or 700 TB (LTO-6) or 2,520 TB (LTO-7) or 3,360 TB (LTO-8) capacity native
With Windows Server 2016 you can run your business with confidence. Designed with cloud-inspired technologies intended to help your business reach its full potential and operate with agility while maintaining security, resilience, and performance.

### Windows Server 2016 Operating Systems

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Product</th>
<th>Licensed Guest OS</th>
<th>Product details</th>
<th>Client Access Licenses required?</th>
<th>Ordercodes / Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core-based licensing</td>
<td>No</td>
<td>2 CPU</td>
<td>Windows Server 2016 Essentials</td>
<td>1</td>
<td>CPU based, supports two sockets, 64 GB RAM and up to 25 users, incl. Hyper-V</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 cores</td>
<td>Core-based licensing Windows Server 2016 Standard</td>
<td>2</td>
<td>2 cores Core licensing, Supports 24 TB RAM, supports 1024 active virtual machines, 2 Hyper-V Container, Host Guardian Services, Nano Server, Remote Desktop Services, Just Enough Administration, Nested Virtualization and more</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 cores</td>
<td>Windows Server 2016 Standard</td>
<td></td>
<td>CAL &gt; Yes RDS &gt; Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>16 cores</td>
<td>Windows Server 2016 Standard</td>
<td></td>
<td>CAL &gt; Yes RDS &gt; Yes</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>2 cores</td>
<td>Windows Server 2016 Datacenter</td>
<td></td>
<td>CAL &gt; Yes RDS &gt; Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 cores</td>
<td>Windows Server 2016 Datacenter</td>
<td></td>
<td>CAL &gt; Yes RDS &gt; Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>16 cores</td>
<td>Windows Server 2016 Datacenter</td>
<td></td>
<td>CAL &gt; Yes RDS &gt; Yes</td>
</tr>
</tbody>
</table>

### Windows Storage Server 2016

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Product</th>
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<th>Product details</th>
<th>Client Access Licenses required?</th>
<th>Ordercodes / Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core-based licensing</td>
<td>Windows Storage Server 2016 Standard</td>
<td>2</td>
<td>Scale out and Scale up file server, Support for an unlimited amount of users (may only be limited by particular hardware implementation)</td>
<td></td>
<td>CAL &gt; No RDS &gt; No</td>
</tr>
</tbody>
</table>

### Downgrade DG/DE Media Kit

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<tr>
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</thead>
<tbody>
<tr>
<td>Max. one of each edition</td>
<td>–</td>
<td>Datacenter only to Datacenter and/or Standard, Standard only to Standard</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

### Windows Server 2016 Client Access License

<table>
<thead>
<tr>
<th>User / Device CAL</th>
<th>Windows Server CALs (User / Device)</th>
<th>Not required for Essentials</th>
<th>–</th>
<th>Required to connect Windows Server services from clients. Available for users or devices and in different CAL packages.</th>
<th>–</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote Services</td>
<td>Windows Server RDS CALs (User / Device)</td>
<td>–</td>
<td>–</td>
<td>Required to use remote desktop or terminal services. Available for users or devices and in different CAL packages.</td>
<td>–</td>
</tr>
</tbody>
</table>

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FUJITSU Software ServerView®
Infrastructure Management and Server Management

FUJITSU Software ServerView® offers comprehensive infrastructure management and server management solutions which is key to efficient data center operations. It provides all the functions for flexible and automated 24x7 IT operations and improves end-user productivity via intelligent and innovative system management solutions.

FUJITSU Software ServerView® Infrastructure Manager
FUJITSU Software ServerView® Infrastructure Manager (ISM) enables organizations to drive towards the path of achieving software defined infrastructure, by automating and simplifying infrastructure operations across compute, storage and networking. 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. Accelerate growth and innovation: Streamlined delivery of IT services to speed the transition to hybrid cloud

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

FUJITSU Software ServerView® Server Management
FUJITSU Software ServerView® Server Management offerings delivers all 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. Consolidate server management functions with the embedded Lifecycle Manager for more simplified, integrated and automated server management processes.

Fujitsu offers comprehensive infrastructure management and server management solution which is key to efficient data center operations. It provides all the functions for flexible and automated 24x7 IT operations and improves end-user productivity via intelligent and innovative system management solutions.

FUJITSU Software ServerView® Server Management

**Deploy:**
- Fast, easy, reliable
  - **Server Setup and Deployment**
  - Installation Manager
  - Scripting Toolkit

**Control:**
- Centralized, easy, efficient
  - **Server Monitoring and Control**
    - Operations Manager
    - Agents / CIM Providers
    - System Monitor
    - Agentless Service
    - Event Manager
    - RAID Manager
  - **Capacity Management**
    - Threshold Manager
  - **Power Management**
    - Power Monitor
    - Power Consumption Management (in iRMC)
  - **Storage Support**
    - Storage Management
    - Monitoring / Events

**Integrate:**
- Seamless, manage uniformly
  - **Private Cloud Infrastructure**
    - Resource Orchestrator Cloud Edition
  - **Consolidated Server Infrastructures**
    - Resource Orchestrator Virtual Edition
  - **I/O Management**
    - Virtual-I/O Manager

**Maintain:**
- In any state, at any place

**Dynamize:**
- Simple, sophisticated, efficient
  - **Embedded Lifecycle Management**
    - eLCM Activation License
  - **Update Management**
    - Update Manager (SVUM)
    - Update DVD / SVUM Express
    - Content Collector
  - **Performance Measurement**
    - Performance Manager
    - Investigation
    - Asset Mgmt. / PrimeCollect
    - Inspection
    - Online Diagnostics / CSS


More information on ServerView® Server Management: [www.fujitsu.com/fts/serverview](http://www.fujitsu.com/fts/serverview)
Product Related Services
Maintenance & Support for Fujitsu Products

Support Pack / Service Contract

Availability may vary from country to country.

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.

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.

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.

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.

For more information about our Product Support Services please visit: http://www.fujitsu.com/fts/products/computing/support/

Financing is the key component of your IT investment decision. Fujitsu Financial Services helps you acquire tomorrow's technology today. With our unique and tailor made financial solutions we address shrinking budgets, transfer technology risk and disperse financial risk. We give you a peace of mind, leaving you to concentrate on your core business.

For more information on our range of financial solutions please visit: www.fujitsu.com/fts/financialservices

Microsoft

Windows Server: Power your business

| FUJITSU Server PRIMERGY and Windows Server | OEM | ROK | TX1310 M3 | TX1320 M3 | TX1330 M3 | TX2550 M4 | TX2560 M4 | RX1330 M3 | RX2520 M4 | RX2530 M4 | RX2540 M4 | RX4770 M4 | CX2550 M4 | CX2560 M4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Windows Server 2016 Standard | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Windows Server 2016 Essentials | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Windows Server 2016 Datacenter | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |