



Hybrid IT - Integrated Computing

By delivering the latest IT technologies and combining them into complete and fully-serviced IT infrastructure solutions, Fujitsu supports our customers to build and operate IT infrastructures in an efficient, flexible and reliable way.



Products

Integrated Systems

Under the FUJITSU Integrated System PRIMEFLEX brand, FUJITSU provides a broad line-up of Integrated Systems. Servers, storage, networking and software are pre-defined, pre-integrated and pre-tested; this reduces the complexity of building data center infrastructures, simplifies and accelerates deployment, minimizes risks, reduces cost and increases operational efficiency.

The PRIMEFLEX family includes both, systems based on a classical architectures and hyper-converged systems. PRIMEFLEX encompasses factory-installed solutions which are ready-to-run and reference architectures which can be easily adjusted to customer-specific requirements. Both options are supplemented by services throughout all lifecycle phases. PRIMEFLEX offerings are available for various use cases, such as Virtualization, Private Cloud, Big Data and Analytics, as well as High Performance Computing. Furthermore, PRIMEFLEX includes solutions addressing SAP and Oracle environments.

■ Virtualization

- **PRIMEFLEX for VMware vSphere** is a converged system based on virtualization technology from VMware and ETERNUS storage from Fujitsu. Network switches, cabling and rack infrastructure are included.
- **PRIMEFLEX for VMware vSAN** is a hyper-converged system based on VMware vSphere and vSAN. The system is available in various vSAN Ready Nodes configurations, such as All-Flash, hybrid and high density, with software pre-installed.
- **PRIMEFLEX for VMware Cloud Foundation** is a ready-to-run, hyper-converged Software-Defined Data Center based on VMware vSphere, vSAN and NSX. The additional SDDC Manager acts as an automation engine for provisioning, monitoring and lifecycle management.
- **NFLEX** is a factory-integrated, ready-to-run converged system based on FUJITSU Server PRIMERGY, NetApp storage, and networking switches from Extreme Networks, ready for VMware vSphere. Also included is FUJITSU Software ServerView Infrastructure Manager (ISM), a converged lifecycle management of all components, which seamlessly integrates with VMware vCenter. NFLEX has been jointly developed by Fujitsu and NetApp and is marketed by both vendors.
- **PRIMEFLEX for Microsoft Storage Spaces Direct** is a hyper-converged system based on software-defined storage technology (Storage Spaces Direct) integrated in Windows Server 2016 Datacenter Edition. Various WSSD (Windows Server Software-Defined) certified configurations are in place including hard disks, Solid State Disks and high-speed NVMe (non-volatile memory express) disks that allow for setting up a 2-tier and 3-tier storage infrastructure.
- **PRIMEFLEX Cluster-in-a-box** is a ready-to-run hyper-converged system based on Microsoft Storage Spaces – a feature of the Windows Server Standard Edition. The system comes with 2 server nodes and is expandable to 4 server nodes, all in a 2U chassis. It is designed for continuous availability at affordable costs to small and mid-market organizations.

■ Private Cloud

- **PRIMEFLEX for OpenStack** provides an OpenStack cloud infrastructure based on either the Red Hat or SUSE OpenStack platform. A range of validated configurations and extensions covers software-defined storage, software-defined networking, advanced monitoring, cost management, an enterprise portal, as well as application delivery and migration.

■ High Performance Computing

- **PRIMEFLEX for HPC** is a set of validated reference architectures for compute-intensive applications, such as simulation and modeling, High Performance Data Analytics (HPDA) and Deep Learning. The integrated HPC Software includes all ingredients you need for deployment, management and efficient operation. FUJITSU Software Gateway, an intelligent application platform which enables organizations to scale out their activity, federate dispersed operations, and integrate business processes. In combination with a comfortable and intuitive desktop layout, users will have at hand the most productive and coherent HPC workplace in the market today.

■ Big Data and Analytics

- **PRIMEFLEX for Hadoop** is a powerful and scalable platform analyzing large data volumes of various types from diverse sources at high velocity. It is based on open source software by Cloudera®, Hortonworks® or MapR® and data analytics software by Datameer®.
- **PRIMEFLEX for SAP HANA** enables simplified, fast and secure implementation and operation of SAP HANA. The single node and multi-node configurations are based on SAP-certified components and supplemented by a broad services portfolio.
- **PRIMEFLEX for SAP Landscapes** optimizes entire SAP landscapes to enable flexibility and scalability for future business growth. Powered by Fujitsu FlexFrame® Orchestrator Management Software, PRIMEFLEX for SAP Landscapes facilitates the management of complex SAP environments including SAP HANA, minimizing administration effort and costs, allowing you to focus on delivering value to the business.
- **PRIMEFLEX for Oracle Database** delivers extreme performance by running Oracle Database on high-performance Fujitsu SPARC M12 servers based on technologies adopted from Fujitsu supercomputers and mainframes.

Servers

The FUJITSU server line represents one of the broadest portfolios in the market. This enables us to talk with our customers as a trusted advisor with the target to provide them with the right combination of systems, solutions and expertise to guarantee maximum productivity, efficiency and flexibility, delivering confidence and reliability for challenges in any direction: Standard data center tasks, ERP, Database, HPC, Artificial Intelligence or Mission-Critical Computing and more.

■ Industry Standard Server

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

- FUJITSU Server PRIMERGY

■ Mission Critical x86 Server

New levels of x86 server performance for in-memory computing, resource-intensive applications and mission-critical x86 uptime.

- FUJITSU Server PRIMEQUEST

■ Unix Server

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

- FUJITSU Server SPARC

■ Mainframe

Highly scalable systems with top-level performance and flexibility for the simultaneous operation of several operating systems for failure-proof IT-landscapes.

- FUJITSU Server GS21, VME
- FUJITSU Server BS2000

■ Supercomputer

Fujitsu's supercomputer provides the ability to address high magnitude problems by delivering over 100 petaflops, a quantum leap in processing performance.

- FUJITSU Supercomputer PRIMEHPC FX100

Storage

ETERNUS – storage solutions for all data scenarios. Fujitsu's ETERNUS storage portfolio balances storage capacity, performance and costs for the complete lifecycle of data - from production, business analytics and big data to backup and long-term archiving.

■ Hybrid Disk and Flash Storage Systems

- FUJITSU Storage ETERNUS DX series

■ All-flash systems

- FUJITSU Storage ETERNUS AF

■ Storage Management Software for ETERNUS DX and AF

- FUJITSU Storage ETERNUS SF suite

■ Hyper-scale and software-defined storage

- FUJITSU Storage ETERNUS CD10000

■ Tape Systems

- FUJITSU Storage ETERNUS LT series

■ Data Protection Appliances

- FUJITSU Storage ETERNUS CS series

Software

Fujitsu is the only Japanese vendor with a systematic software product lineup. Fujitsu integrates optimal systems according to customer needs and objectives, based on a core lineup of proprietary technologies and products combined with supplementary partner software products and open-source software.

■ BPM/SOA/XBRL

- FUJITSU Software Interstage

■ Operation Management

- FUJITSU Software Systemwalker

■ Database

- FUJITSU Software Enterprise Postgres
- Oracle
- Microsoft

Network

Fujitsu supplies optimal networks for each customer to rapidly meet their diversifying needs, for a full description please see 'Hybrid IT – Software-Defined Connected Infrastructure (SDCI)' on page 80.

Services

Product Support Services

In addition to cutting-edge products, Fujitsu delivers worldwide Product Support Services. A comprehensive product support portfolio containing standard break/fix services as well as proactive support helps our customers save time and money and reduces the burden on internal IT staff. Fujitsu delivers product related services through certified support engineers for individual products as well as for IT infrastructures as a "one-stop shop" support offering. The services range from installing new products to providing fast and responsive support for Fujitsu hardware, software and IT infrastructures for solution business. A Hardware-as-a-Service offering completes the portfolio for customers looking into compelling way of product & service delivery models.