FUJITSU M10-1 SERVER

EXTREME PERFORMANCE AND
MISSION-CRITICAL AVAILABILITY AT
AN ENTRY-LEVEL PRICE

KEY FEATURES

- This compact entry-level server scales up to 16 cores.

- It is ideal for data center integration and virtualization.

- The new 2.8 GHz SPARC64 X processor, with supercomputer technology, provides superior performance for enterprise workloads such as OLTP, ERP, BIDW, SCM, and CRM.

- Software-on-chip instructions on the SPARC64 X processor accelerate key database functions.

- CPU Activation economically and rapidly meets capacity requirements.

- Flexible resource configuration using Oracle VM Server for SPARC and Oracle Solaris Zones virtualization technologies.

- Power-saving features are built in to the processor and the server.

- The server features mainframe-class RAS features for 24/7 mission-critical applications.

- The system is managed by the independent service processor's eXtended System Control Facility (XSCF).

- Firmware updates during system operation are supported.

The Fujitsu M10-1 server is a space-saving entry-level server with high performance and reliability that is ideal for data center integration and virtualization. It supports as many as 16 cores, large-capacity memory, and a large disk in a space-saving one-rack-unit (1U) chassis. It can handle low-end and midrange enterprise applications. Processor resources can be expanded incrementally with the CPU Activation feature, which supports adding processor resources one core at a time. Its SPARC64 X ("ten") processor was developed to deliver dramatic high-speed performance by implementing instructions in hardware that accelerate key software-on-chip functions. The Fujitsu M10-1 server enables highly flexible system configuration with two no-cost virtualization technologies: Oracle VM Server for SPARC and the Oracle Solaris Zones feature of Oracle Solaris.

Keep Pace with Expanding Needs

The Fujitsu M10-1, server with the industry-leading Oracle Solaris operating system, was designed to help IT managers reduce TCO, rapidly deploy new business services, and consolidate existing distributed systems more cost-effectively and reliably than ever. IT managers can take advantage of enterprise-class reliability, availability, and scalability (RAS) features in a 1U box and can incrementally grow and configure their business processes exactly as needed—meaning no wasted resources, just improved utilization that will meet their IT needs now and into the future.

Consolidate and Lower IT Costs

The compact and flexible Fujitsu M10-1 server delivers greatly improved business efficiency. IT managers can consolidate many entry-level servers onto one Fujitsu M10-1 server and reduce space and power consumption. In addition to providing eco-efficiencies and mainframe-class reliability features, the Fujitsu M10-1 server is easy to manage and includes two no-cost virtualization technologies. Combined with Oracle and partner service offerings, it enables customers to shorten their time to market and capture new revenue streams while dramatically improving throughput, energy efficiency, and service-level predictability at reduced costs.

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Fujitsu M10-1 Server Specifications

Processor	
CPU	SPARC64 X: 16-core, dual-threaded SPARC V9 architecture, error-correcting code (ECC)–protected
Primary cache per core	64 K data cache and 64 K Instruction cache
Secondary cache per processor	22 MB
Clock speed	2.8 GHz
System	
CPU	One 16-core CPU
Main memory	Up to 512 GB with 32 GB DIMM
I/O	• Three PCI Express 3.0 short, low-profile slots (eight lanes) • As many as 23 PCI Express slots with optional PCI expansion unit • 4-port GbE, 1-port SAS, 2-port USB
Memory bandwidth (per chip)	102 GB/sec
Service processor	One
Storage	
Boot device	As many as eight 600 GB internal 2.5-in. SAS HDDs or 200 GB SAS SSDs
Software	
Operating system	• Oracle Solaris 10 • Oracle Solaris 11
Management software	• XSF monitoring/control facility • XSCF software, which manages hardware configuration and health, domain configuration and status, error monitor, and notification
System monitoring	Oracle Enterprise Manager Ops Center
Environment	
AC power	100 V to 120 V ± 10% (50/60 Hz), 200 V to 240 V ± 10% (50/60 Hz)
Operating temperature	• 5° to 35° C (41° to 95° F) at an altitude of 0 m to 500 m • 5° to 33° C (41° to 91° F) at an altitude of 501 m to 1,000m • 5° to 31° C (41° to 88° F) at an altitude of 1,001 m to 1,500 m • 5° to 29° C (41° to 84° F) at an altitude of 1,501 m to 3,000 m
Non-operating temperature	• –20° to 60° C (packed) • 0° to 50°C (non-packed)
Altitude	Up to 3,000 m (9,843 ft.)
Dimensions and Weight	
Height	4.25 cm (1.67 in.)
Width	43.1 cm (17.0 in.)
Depth	72.1 cm (28.4 in.)
Weight	18 kg (39.7 lb.)

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Fujitsu M10-1 Server Specifications – continued		
Regulations		
Safety	• UL60950-1, 2nd edition + A1 • CSA C22.2 No. 60950-1-07 + A1 • EN60950-1:2006 + A1:2010 +A2:2011 • IEC60950-1:2005, 2nd edition + A1:2009 (evaluated to all CB countries) • CFR21 Part 1040 • IEC60825-1	• IEC60825-2 • CB Scheme with all country deviations • CNS14336 • GB4943.1-2011 • S-Mark • GOST-R certification mark
RFI/EMC	• EN55022:2010 • VCCI (2012) • FCC Part-15 (2012) • CNS13438:2006 (CISPR 22:2005 +A1:2005) • KCC • GOST-R certification mark • S-Mark • EN61000-3-2:2006 + A1:2009 + A2:2009	• EN61000-3-3:2008 • JIS C 61000-3-2 (2011) • ICES-003 Class A • AS/NZS CISPR 22 (2009) • GB9254-2008 • GB17625.1-2003 • CISPR 22:2008
Immunity	• EN55024:2010 • IEC61000-4-2 • IEC61000-4-3 • IEC61000-4-4	• IEC61000-4-5 • IEC61000-4-6 • IEC61000-4-8 • IEC61000-4-11
Telecommunications	EN 300 386 V1.4.1 (2008)	

Warranty

Visit oracle.com/us/support/index.html for Oracle's global warranty support information on Oracle products.

Services

From design and implementation to support and management, Oracle provides an end-to-end portfolio of services designed to accelerate the alignment of IT infrastructure with business needs, optimize usage of IT assets, and contain costs. Oracle's expertise helps you address key data center challenges, including virtualization/consolidation, power, space and cooling optimization, planning and implementation, and ongoing maintenance and support. In addition, Oracle offers top-rated technical support for your Fujitsu M10-1 server. Visit oracle.com/us/support/index.html for information on Oracle's service program offerings for Oracle products.

Contact Us

For more information about the Fujitsu M10-1 server, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

Hardware and Software, Engineered to Work Together

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