

Data Sheet

Fujitsu PRIMERGY MX130 S1 Server

Micro server for micro businesses

With limited budgets and resources, small businesses must focus on maximizing productivity at minimum cost. PRIMERGY MX servers increase the productivity of small businesses. How? By providing affordable, uncomplicated, reliable server technology on which to centralize their IT services. PRIMERGY MX servers are ultra-compact and whisper quiet, making them perfect for small offices. Their reliability is proven by testing through 5000 boot cycles far more than other vendors do. The servers also minimize their environmental impact and operating costs through power supplies with a best-in-class energy efficiency of 85%.

PRIMERGY MX servers let you focus on your top priority: your customer not the IT!

PRIMERGY MX130 S1

The PRIMERGY MX130 S1 micro server is just what micro businesses need. The MX130 S1 is a solid platform on which to base your file, web or print services. It increases your company's potential by offering server reliability and efficiency at a rock-bottom price. The running costs and environmental impact are micro too, thanks to the 85% efficient power supply unit. If you think of servers as complicated, space-eating machines, then think again. The MX130 S1 comes in a classic desktop chassis which can also be used vertically. And, best of all, it's so silent you will hardly know it's there. PRIMERGY MX130 S1 the micro server for macro results.



Features and Benefits

Main Features	Benefits
<ul style="list-style-type: none">■ 24x7 performance, server ECC memory, onboard RAID 0/1/10 and optional Trusted Platform Module (TPM)■ Up to 16GB DDR3 ECC RAM■ High expandability - grows with your business■ Ultra-compact form factor with less than 13 liters volume - can be used everywhere in either horizontal or vertical position■ High energy efficiency with 85% efficiency power supply unit (PSU)	<ul style="list-style-type: none">■ Higher data safety and reliability than using PCs with external USB drives or optical media■ Share information and applications by running office server applications■ 4 expansion slots■ Ideal for all environments where space is scarce■ Benefit from Fujitsu's pioneering experience in Green IT - save money and minimize environmental impact

Technical details

PRIMERGY MX130 S1

Mainboard

Mainboard type	D 2974
Chipset	AMD 785G
Processor quantity and type	1 x AMD Phenom™ II (only available in Continental Europe, Middle East, Africa and India) / AMD Athlon™ X2 / AMD Sempron™

Processor

AMD Athlon™ II X2 220 (2 Cores, 2.8 GHz, SLC: 1 MB)
AMD Athlon™ II X2 255 (2 Cores, 3.1 GHz, SLC: 2 MB)
AMD Phenom™ II X6 1035T (6 Cores, 2.6 GHz, SLC: 9 MB)
AMD Sempron™ 140 (1 Core, 2.7 GHz, SLC: 1 MB)

Memory slots	4
Memory slot type	DIMM (DDR3)
Memory capacity (min. - max.)	1 GB - 16 GB
Memory protection	ECC
Memory notes	Mix and match possible, with dual channel operation better performance (2 modules with equal capacity necessary). Single channel (1 module) configuration possible.

Memory modules	1 GB (1 module(s) 1 GB) DDR3, ECC, 1333 MHz, PC3-10600, DIMM
	2 GB (1 module(s) 2 GB) DDR3, ECC, 1333 MHz, PC3-10600, DIMM
	4 GB (1 module(s) 4 GB) DDR3, ECC, 1333 MHz, PC3-10600, DIMM

Interfaces

USB ports	12 (2 x front, 6 x back, 4 x internal)
DVI	1 (Dual link DVI-I) ATI Radeon® HD 4200 (up to 2811MB) on board
Graphics (15-pin)	1 No dedicated 15-pin VGA port available. VGA is available via the supplied DVI to VGA adapter.
Serial 1 (9-pin)	1 x RS232
Serial connection	1 x 9pin, 16 byte FIFO, 16550 compatible
Mouse / Keyboard (PS/2)	1
LAN / Ethernet (RJ-45)	1 x Gbit/s Ethernet

I/O controller on board

Serial ATA total	6
RAID controller	6 port SATA with RAID 0/1/10 for HDDs
SATA Controller	SATA2
LAN Controller	BCM 57780, 10/100/1000 Mbit/s Ethernet, PXE-Boot by LAN via PXE-Serve
Trusted Platform Module (TPM)	optional TPM 1.2 (onboard; can be disabled)

Slots

PCI-Express 2.0 x4 (mech. x16)	1 x low profile (210mm)
PCI-Express 2.0 x16	1 x low profile (210mm)
PCI-slots	2 x (190 mm) low profile
Slot Notes	PCI 32/33 MHz, 3.3V/5V

Drive bays

Hard disk bays	3 x (2x 3.5-inch and 1x 5.25-inch - all non hot-plug SATA; in each of the 2x 3.5" bays, it is possible to fit up to 2x 2.5" HDDs).
Hard disk bay configuration	Screw-in only. Maximum 2x 3.5" HDDs possible.
Accessible drive bays	1 x 5.25/1.6-inch for backup devices or CD-RW/DVD
Notes accessible drives	Alternatively 1x slimline DVD plus 1x 3.5" hard disk bay (for 2x 2.5" HDDs) OR 1 full-height frame with 2x 2.5" HDDs.

Number of fans	3
Fan configuration	1x power supply fan, 1x system fan, 1x processor fan
Fan notes	non hot plug
Operating panel	
Operating buttons	On/off switch
Status LEDs	Power (green)
Operating Systems and Virtualization Software	
Certified or supported operating systems and virtualization software	Microsoft® Microsoft® Hyper-V™ Server 2008 R2 Microsoft® Windows Server® 2008 R2 Standard Microsoft® Windows Server® 2008 R2 Foundation Microsoft® Windows® Small Business Server Essentials 2011
Operating system release link	http://docs.ts.fujitsu.com/dl.aspx?id=a9e600b9-e4cb-4f48-aa41-632f69058421
Operating system notes	Support of other Linux derivatives on demand
Server Management	
Standard	ServerView Installation Manager
Dimensions / Weight	
Floor-stand (W x D x H)	340 x 380 x 100 mm
Weight	10 kg
Weight notes	Actual weight may vary depending on configuration
Environmental	
Operating ambient temperature	10 - 35°C
Operating temperature note	ETSI 300 019-2-3 Class 3.1
Operating environment	FTS 04230 Guideline for Data Center (installation locations)
Operating environment Link	http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe
Noise emission	According to ISO9296 (LpAm at bystander position)
Sound pressure (LpAm)	19 dB(A) (idle) / 21 dB(A) (operating); may vary according to configuration.
Sound power (LWAd; 1B = 10dB)	3.5B (idle) / 3.7B (operating); may vary according to configuration.
Electrical values	
Power supply configuration	1
Max. output of single power supply	250 W
Rated voltage range	100 V - 127 V / 200 V - 240 V
Rated frequency range	47 Hz - 63 Hz
Active power (min. configuration)	64 W
Active power (max. configuration)	110 W
Heat emission	396.0 kJ/h (375.3 BTU/h)
Compliance	
Germany	GS
Europe	CE Class B
Global	CB RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment)
Compliance notes	There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request.
Compliance link	http://sp.ts.fujitsu.com/sites/certificates/

Components

Storage disks	SATA, 500 GB, 7200 rpm, 3.5-inch, economic HDD SATA II, 2000 GB, 7200 rpm, 3.5-inch, business critical HDD SATA II, 1000 GB, 7200 rpm, 3.5-inch, business critical HDD SATA II, 500 GB, 7200 rpm, 3.5-inch, business critical HDD SATA II, 250 GB, 7200 rpm, 3.5-inch, business critical HDD SATA II, 250 GB, 7200 rpm, 3.5-inch HDD SATA II, 2x 500 GB, 5400 rpm, 2.5-inch, economic HDD SATA II, 2x 320 GB, 5400 rpm, 2.5-inch, economic HDD SATA II, 2x 160 GB, 5400 rpm, 2.5-inch, economic
Hard disk notes	Supporting NCQ and 3 GBit
Hard disk notes	PRIMERGY MX130 S1 hard disks are not hot-plug.
Backup Drives	RDX Drive, 160 GB, 320 GB, 500 GB, 1 TB , 25 MB/s, half height, USB 2.0
Optical drives	DVD-ROM, SATA I DVD Super Multi, SATA I
LAN Controller	Ethernet Ctrl. 1 x 1 Gb Gigabit PCIe x1, DS
Warranty	
Standard Warranty	1 year
Service level	On-site Service
Maintenance and Support Services - the perfect extension	
Recommended Service	5x9, Onsite Response Time: next business day
Service Lifecycle	5 years
Service Weblink	http://ts.fujitsu.com/Supportservice

More information

Fujitsu platform solutions

In addition to Fujitsu PRIMERGY MX130 S1, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products

www.fujitsu.com/global/services/computing/

Software

www.fujitsu.com/software/

More information

Learn more about Fujitsu PRIMERGY MX130 S1, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
<http://www.fujitsu.com/PRIMERGY>

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>



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