

Data Sheet

FUJITSU Server PRIMERGY LX1430 M1 Rack Server

Small in size and low in cost – rich in optional features

7 nm AMD EPYC™ 7002 series processor for high performance and cost efficiency in a 1U rack server

PRIMERGY LX1430 M1

The FUJITSU Server PRIMERGY LX1430 M1 is a mono-socket rack server designed to provide a solution for small budgets, yet enabling a rich set of optional expansions to best meet individual demands. Its usage patterns cover file, infrastructure and communication or collaboration applications by delivering up to 1TB RAM, up to 1 PCIe slot and up to 10x2.5-inch hard disk drives. Moreover, this 1U server allows for diverse individual configurations with optional features, such as hot-plug power supply units.



Features & Benefits

Main Features	Benefits
AMD EPYC server 1x AMD EPYC 7002 series processor and DDR4 memory with 3,200MHz (16 DIMM slots), up to 1x PCIe Gen4 slot, up to 10x 2.5-inch storage drives (8x SATA / 2x NVMe SSD)	Reduce TCO by high VM density with up to 64 cores per processor and lower power consumption
Full-height PCIe slot, hot-plug and redundant power supply (PSU) with 80 PLUS platinum energy efficiency (94 %) center	Reduce power consumption with highly efficient power supplies

Technical details

PRIMERGY LX1430 M1

Mainboard

Chipset	Integrated in CPU
Processor quantity	1
Memory slots	16 (8 channels with 2 DIMMs each)
AMD EPYC Processor	AMD EYPC 7262 8C 3.1GHz 155W AMD EYPC 7302P 16C 2.8GHz 155W AMD EYPC 7402P 24C 2.8GHz 180W AMD EYPC 7502P 32C 2.5GHz 180W AMD EYPC 7702P 64C 2.0GHz 200W AMD EYPC 7742 64C 2.2GHz 225W AMD EYPC 7552 48C 2.2GHz 200W AMD EYPC 7232P 8C 3.1GHz 120W
Memory slot type	DIMM (DDR4)
Memory capacity (min. - max.)	16 GB - 1TB
Memory protection	ECC
Memory notes	Eight channel support. Capacity per channel has to be the same.

Interfaces

USB 3.0 ports	4 x (1x front, 3x rear)
Graphics (15-pin)	1 x VGA (15-pin)
Serial connection	1 x serial RS-232-C
LAN / Ethernet (RJ-45)	2 x 1 Gbit/s Ethernet
Management LAN (RJ45)	Management LAN traffic can be switched to shared onboard Gbit LAN port

Onboard or integrated Controller

SATA Controller	FCH SATA Controller
LAN Controller	Intel® I350-AM2 2 x 10/100/1000 Mbit/s Ethernet (TCP/IP acceleration) Optional DynamicLoM OCP adaptors
Remote management controller	IPMI 2.0 compatible

Slots

PCI-Express 4.0 x16	1 x full height
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Drive bays

Storage drive bays	10 x 2.5-inch hot-plug (8x SATA / 2x PCIeSSD)
Notes accessible drives	Following limitations applies to 10x 2.5-inch HDD base unit: No CD-RW/DVD

Fan Configuration

Number of fans	5
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Operating panel

Operating buttons	On/off switch NMI button Reset button ID button
Status LEDs	System status (green / orange) Identification (blue) Power (green) LAN connection (green) Hard disk error

BIOS

BIOS features	ROM based setup utility Local BIOS update from USB device Remote PXE boot support IPMI support Legacy BIOS compatibility customer configuration option Secure boot support UEFI compliant
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Operating Systems and Virtualization Software

Certified or supported operating systems and virtualization software	VMware vSphere™ 6.7 SUSE® Linux Enterprise Server 15 Red Hat® Enterprise Linux 8.0
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Dimensions / Weight

Rack (W x D x H)	438.0 x 660.0 x 43.4 mm
Height Unit Rack	1 U
Weight	up to 18.8 kg
Weight notes	Actual weight may vary depending on configuration
Rack integration kit	Rack integration kit

Electrical values

Power supply configuration	1x hot-plug power supply or 2x hot plug power supplies for redundancy
Hot-plug power supply redundancy	Yes
Rated current max.	10.0 A (100 V) / 5.0 A (240 V)
Power supply notes	650W reductant power supply 80 PLUS Platinum

Compliance

Global	CB RoHS (Substance limitations in accordance with global RoHS regulations) WEEE (Waste electrical and electronical equipment)
Europe	CE
USA/Canada	FCC Class A cUL
Japan	VCCI Class A
Australia/New Zealand	RCM
Taiwan	BSMI
Compliance link	https://sp.ts.fujitsu.com/sites/certificates
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. * Warning: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Components

Hard disk drives	HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, 512n, hot-plug, 2.5-inch	
	HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch	
	HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512n, hot-plug, 2.5-inch	
	HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch	
Solid-State-Drive	SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPD (Drive Writes Per Day for 5 years)	
	SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years)	
	SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPD (Drive Writes Per Day for 5 years)	
	SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.6 DWPD (Drive Writes Per Day for 5 years)	
	SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.4 DWPD (Drive Writes Per Day for 5 years)	
	SSD SATA, 6 Gb/s, 240 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.6 DWPD (Drive Writes Per Day for 5 years)	
	SSD SATA, 6 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.5 DWPD (Drive Writes Per Day for 5 years)	
	SSD SATA, 6 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.0 DWPD (Drive Writes Per Day for 5 years)	
	SSD SATA, 6 Gb/s, 3.84 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.6 DWPD (drive writes per day for 5 years)	
	SSD SATA, 6 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPD (Drive Writes Per Day for 5 years)	
	SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years)	
	PCIe SSD	PCIe-SSD SFF (P4610), 6.4 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD (Drive Writes Per Day for 5 years)
		PCIe-SSD SFF (P4510), 4 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 0.6 DWPD (Drive Writes Per Day for 5 years)
PCIe-SSD SFF (P4610), 3.2 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.1 DWPD (Drive Writes Per Day for 5 years)		
PCIe-SSD SFF (P4510), 2 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 0.6 DWPD (Drive Writes Per Day for 5 years)		
PCIe-SSD SFF (P4610), 1.6 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD (Drive Writes Per Day for 5 years)		
PCIe-SSD SFF (P4510), 1 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1 DWPD (Drive Writes Per Day for 5 years)		
Communication, Network		Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 RJ45 (Intel® X550-T2)
	Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ (Intel® X710-DA2)	
	Ethernet Ctrl. 4 x 10 Gbit/s PCIe 3.0 x8 RJ45 (Intel® X710-T4)	
	Ethernet Ctrl. 4 x 10 Gbit/s PCIe 3.0 x8 SFP+ (Intel® X710-DA4)	
	Ethernet Ctrl. 2 x 10 Gbit/s / 25 Gbit/s PCIe 3.0 x8 SFP28 (Intel® XXV710DA2 OCP)	
RAID	CRAO 338	
	CRAO 438	
Warranty		
Warranty period	3 year	
Warranty type	Onsite warranty	
Product Support Services - the perfect extension		
Support Pack Options	please contact your local Fujitsu partner.	
Recommended Service	please contact your local Fujitsu partner.	

More information

Fujitsu platform solutions

In addition to Fujitsu PRIMERGY LX1430 M1, 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/products/computing/

Software

www.fujitsu.com/software/

More information

Learn more about Fujitsu PRIMERGY LX1430 M1, please contact your Fujitsu sales representative or Fujitsu Business partner.

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