
FUJITSU
Dlaczego serwery Fujitsu PRIMERGY i PRIMEQUEST?
intalio
OPEN SOURCE EXPERTS

Dlaczego PRIMERGY? Dlaczego ETERNUS?

- **Inżynieria, rozwój, testy, produkcja**
  - Niemcy: Paderborn, Augsburg
  - Japonia: Tokyo, Sapporo, Kawasaki
- **Pełna kontrola nad procesem projektowania i produkcji**
  - własne fabryki i laboratoria badawcze optymalizacja projektu technicznego
  - własne płyty główne, własne narzędzia do zarządzania
  - dostawy zmontowanych systemów (szafy rack) do Klienta w cenie
- **Jakość Fujitsu**
  - szczegółowa „do bólu” kontrola jakości komponentów
  - **100% produkcji Fujitsu testowana** - „Delivery for Zero Dead-on-Arrivals”
  - Jedyny producent, który podaje MTBF konkretnych konfiguracji
  - Niska awaryjność – niski koszt serwisu
  - Serwisy z **gwarantowanym czasem naprawy & autocall** w bardzo niskiej cenie

Industry‘s most complete x86-based portfolio

One size does not fit all: To be able to meet the requirements for companies of all sizes, Fujitsu offers industry’s most complete portfolio of industry standard x86 servers.

PRIMERGY TX Family

Expandable tower servers ideal for branch offices, remote offices and small businesses

PRIMERGY RX Family

Versatile and scalable rack-optimized servers with leading efficiency and performance

PRIMERGY BX Family

Platform for converged infrastructures designed to reduce IT costs, time and efforts

PRIMERGY CX Family

Density optimized cloud server infrastructures for HPC, cloud and hyper-converged computing

FUJITSU Server PRIMERGY Tower Systems

Robust and cost-efficient servers for SMEs and branch offices

- Affordable and expandable tower servers
- Simple operation, low power consumption and quiet operation
- Ideal for branch offices, remote offices and small businesses
- Rack conversion kits ensure investment protection

TX1310

Enter the world of PRIMERGY TX servers

TX1320

For small environments with high demands

TX1330

Expandable all-round server for SMEs

Mono Socket

TX2540

Well-balanced price-performance

TX2560

Reliable performance for your business

Dual Socket

Fujitsu PRIMERGY TX Tower Server

PRIMERGY	TX1310 M1	TX1320 M2	TX1330 M2	TX2540 M1	TX2560 M1
Characteristics	The ideal first server	For small environments with high demands	The expandable allround server for SME	Well-balanced price-performance	Reliable performance for your business
Type	Mono socket tower server	Mono socket tower server	Mono socket tower server	Dual socket tower server	Dual socket tower server
Processor	1x Intel® Celeron® processor, Intel® Core™ i3 processor Intel® Pentium® processor, Intel® Xeon® processor E3-1200v3 product family	1x Intel® Core™ i3 processor Intel® Pentium® processor, Intel® Xeon® processor E3-1200v5 product family	1x Intel® Core™ i3 processor Intel® Pentium® processor, Intel® Xeon® processor E3-1200v5 product family	Intel® Xeon® E5-2400 v2 family	Intel® Xeon® processor E5-2600 v3 family
Memory	2 GB - 32 GB, 4 DIMM (DDR3)	2 GB – 64 GB, 4 DIMM (DDR4)	4 GB - 64 GB, 4 DIMM (DDR4)	4 GB - 192 GB, 12 DIMM (DDR3)	4 GB – 1.532 GB, 24 DIMM (DDR4)
Hard disk configuration (max)	4 x 3.5-inch	6 x 2.5-inch or 2 x 3.5-inch	12x 3.5-inch or 24x 2.5-inch	8 x 3.5-inch or 24 x 2.5-inch	12 x 3.5-inch + 2x 2.5-inch or 32 x 2.5-inch
I/O slots	2 x PCIe 2.0 2 x PCIe 3.0	4 x PCIe 3.0	4 x PCIe 3.0 legacy PCI via adapter	1 x PCIe 2.0 4 x PCIe 3.0 1 x PCI	10 x PCIe 3.0
Rack mountable	-	-	Yes (4U)	Yes (4U)	Yes (4U)

FUJITSU Server PRIMERGY Rack Systems

Versatile, scalable servers with top performance

- The datacenter standard
- Versatile and scalable rack-optimized servers
- Leading energy-efficiency and performance

RX1330

Small in size, low in cost - rich in optional features

Mono Socket

RX2520

Balanced performance and scalability

Dual Socket

RX2530

Maximum productivity in a 1U housing

RX2540

The data center standard

RX2560

Maximum expandability in a 2 way server

RX4770

Superior levels of performance and system reliability

Quad Socket

Fujitsu PRIMERGY RX Rack Server

Model	RX1330 M2	RX2520 M1	RX2530 M1	RX2540 M1	RX2560 M1	RX4770 M2
Characteristic	Small in size, low in cost - rich in optional features	Balanced performance and scalability	Maximum productivity in a 1U housing	The data center standard	Maximum expandability in a 2-way server	Superior levels of performance and system reliability
Type	Mono socket rack server	Dual socket rack server	Dual socket rack server	Dual socket rack server	Dual socket rack server	Quad socket rack server
High Units	1U	2U	1U	2U	4U	4U
Processor	Intel® Xeon® E3-1200 v5 product family, Core™ i3 processor, Pentium® processor Celeron® processor	Intel® Xeon® processor E5-2400 v2 product family	Intel® Xeon® processor E5-2600 v3 product family	Intel® Xeon® processor E5-2600 v3 product family	Intel® Xeon® processor E5-2600 v3 product family	Intel® Xeon® processor E7-4800 / 8800 v3 product families
Memory	2 GB – 64 GB, 4 DIMM (DDR4)	2 GB – 192 GB, 12 DIMM (DDR3)	4 GB – 1536 GB, 24 DIMM (DDR4)	4 GB – 1536 GB, 24 DIMM (DDR4)	8 GB – 1536 GB 24 DIMM (DDR4)	16 GB - 6 TB 96 DIMM (DDR4)
Hard disk configuration	4 x 3.5-inch 8 x 2.5-inch 10 x 2.5-inch	8 x 3.5-inch 12 x 3.5-inch 16 x 2.5-inch	4 x 3.5-inch 8 x 2.5-inch 10 x 2.5-inch	4 x 3.5-inch 12 x 2.5-inch 24 x 2.5-inch (Q1/2015)	12 x 3.5-inch + 2x 2.5-inch 32 x 2.5-inch	8 x 2.5-inch + 4x 2.5-inch PCIe SSD
I/O slots	2x PCIe 3.0 x8 1x PCIe 3.0 x4	6x PCIe 3.0 x8 1x PCIe 2.0 x4	2x PCIe 3.0 x16 2x PCIe 3.0 x8	3x PCIe 3.0 x16 3x PCIe 3.0 x8	10x PCIe 3.0	9x PCIe 3.0 x8 2x PCIe 3.0 x16

FUJITSU Server PRIMERGY Blade Systems

Platform to build a converged infrastructure designed to reduce time and efforts

- Datacenter in a box with all infrastructure-, network and management components
- Improved manageability, availability, and operational efficiency from shared cable infrastructure and virtual input/output (I/O)

BX400

Affordable blade technology for medium-sized businesses

BX900

Dynamic server infrastructure designed for high requirements

Blade Chassis

BX2560

Universal server blade

BX2580

High performance blade helping to cope with the most demanding workloads

BX924

Maximum scalability for demanding applications

Server Blades

SX960 **SX980**

Direct-attached and centralized storage

Storage Blades

1/10/40 Gbit/s Ethernet
8/16 Gbit/s FC
10 Gbit/s DCB (FCoE)
56 Gbit/s IB
6 Gb/s SAS

Connection Blades

Fujitsu PRIMERGY BX Blade Server

Model	BX400 S1	BX900 S1
Characteristic	Affordable blade technology for medium-sized businesses and branches.	Complete dynamic server infrastructure in a single chassis
Type	6 U chassis for 19-inch rack, or floorstand version	10 U chassis for 19-inch rack
Front Bays	8 for server or storage blades	18 for server or storage blades
Midplane	High speed midplane with 3 fabrics	High speed midplane with 4 redundant fabrics
Rear Bays	4 x for Connection Blades 4 x for PSU/fan modules	8 x for Connection Blades 6 x for PSU/fan modules
MMB	1 x hot-plug management blade as standard, redundant management blades as option	1 x hot-plug Management Blade as standard, redundant Management Blade as option
Fans	Up to 3 additional hot-plug, redundant fan modules	Up to 3 additional hot-plug, redundant fan modules
PSU	Up to 4 x hot-plug power supply modules (1 x as standard)	Up to 6 x hot-plug power supply module, 3 x as minimum)

Model	BX2560 M1	BX2580 M1	BX920 S4	BX924 S4
Characteristic	All-in-one server blade optimized for mainstream virtualization and enterprise workloads	Cope with the most demanding workloads	Mainstream dual-socket server blade for essential enterprise workloads	High-end server blade with maximum scalability for demanding applications
Type	Dual Socket Server Blade	Dual Socket Server Blade	Dual Socket Server Blade	Dual Socket Server Blade
Processor	Intel® Xeon® processor E5-2600 v3 product family	Intel® Xeon® processor E5-2600 v3 product family	Intel® Xeon® processor E5-2400 v2 product family	Intel® Xeon® processor E5-2600 v2 product family
Memory	8 GB – 1024 GB, 16 DIMM (DDR4)	8 GB – 1536 GB, 24 DIMM (DDR4)	4 GB – 768 GB, 12 DIMM (DDR3)	4 GB – 1536 GB, 24 DIMM (DDR3)
Hard disk configuration	2 x 2.5-inch hot-plug PCIe/SATA SSD, or 2x 3.5-inch hot-plug SAS/SATA HDD	2 x 1.8-inch SATA SSD	2 x 2.5-inch hot-plug SAS/SATA	2 x 2.5-inch non hot-plug SATA SSD
I/O slots	2 x 10 Gbit/s LoM 2 x PCI-Express 3.0 Mezzanine card	2 x 10 Gbit/s LoM 2 x PCI-Express 3.0 Mezzanine card	2 x 10 Gbit/s LoM 2 x PCI-Express 3.0 Mezzanine card	2 x 10 Gbit/s LoM 2 x PCI-Express 3.0 Mezzanine card

FUJITSU Server PRIMERGY Scale-out Systems

Platform for HPC, hosting, and hyper-converged stacks

- Density optimized scale-out server infrastructures
- More computing power in less space
- Lower costs for energy due to shared power & cooling

CX400

Compact server node density with high power efficiency to realize large scale-out solutions for HPC, hosting, and hyper-converged computing at lower overall costs

CX420

Out-of-the-box cluster server enabling small and medium enterprises to provide continuous uptime for their business applications and data

Chassis

CX2550

Dual socket server node in a highly condensed half-wide, 1U form factor

CX2570

Dual socket server node for ambitious high performance computing, analytics and visualization solutions

Server Nodes

Fujitsu PRIMERGY CX Scale-out Server

PRIMERGY	CX400 M1		CX420 S1
	CX2550 M1	CX2570 M1	CX272 S1
Type	2-socket server node 1U half wide	2-socket server node 2U half wide	2-socket server node 2U half wide
Trays occupied	1 tray (max. 4x)	2 trays (max. 2x)	2 trays (max. 2x)
Processor	2x Intel® Xeon® E5-2600 v3 max 160W with HT + TB, 4/6/8/10/12/14/16/18-Core		2 x Intel® Xeon® E5-2600 max 130W, 2/4/6/8-Core
Max. memory per node	1,024 GB, DDR4, RDIMM / LRDIMM		256 GB, DDR3, LV-U-DIMM, LV-R-DIMM
GPGPU/coprocessor	-	2x NVIDIA® Tesla™ or 2x Intel® Xeon Phi™ or 2x NVIDIA Grid	-
Hard disk configuration (max)	6x 2.5” HDD/SSD or 2x 2.5” HDD/SSD + 2x 2.5” PCIe SSD 1x SATADOM	6x 2.5” HDD/SSD or 4x 2.5” HDD/SSD + 2x 2.5” PCIe SSD 1x SATADOM	12x 3.5” HDD or 12x 2.5” HDD/SSD (all in 3.5” frames) 1 - 2x internal HDD/SSD
I/O slots	2x PCIe Gen3 x16 (for IB)	2x PCIe Gen3 x16 (for IB) 2x PCIe Gen3 x16 Mezz. Slot for GPGPU/Co-Processor	4x PCIe (1x Storage HBA, 1x SAS expander, 1x free slot, 1x optional 10 GbE)
Ambient temperature	Up to 40 °C		Up to 35 °C