# FUJITSU Server PRIMERGY Systems

## Ensure your servers serve your business

SUPPORT & MAINTENANCE SERVICES
available for the PRIMERGY product range

FUJITSU

Whatever the size of your business – large enterprise with multiple sites, or a small or medium-sized company with limited space and budget – with the right choice of servers your IT can become the business enabler you've always wanted it to be. PRIMERGY servers supported by the right mix of components and various operating systems will take your IT backend to the next generation, equipping you for whatever challenge the future brings.






### PRIMERGY RX RACK-SERVERS

| Model | PRIMERGY RX1330 M4 | PRIMERGY RX2510 M2 | PRIMERGY RX2520 M4 | PRIMERGY RX2530 M4 | PRIMERGY RX2540 M4 | PRIMERGY RX4770 M4 |
|---|---|---|---|---|---|---|
| Claim | Small in size and low in cost – rich in optional features | The balanced server that serves your services | Scalable server for essential business apps | Maximum productivity in a 1U housing | The data center standard without compromise | Power for the backend of digitalization |
| Type | Mono-Socket Rack Server (1U) | Dual-Socket Rack Server (1U) | Dual-Socket Rack Server (2U) | Dual-Socket Rack Server (1U) | Dual-Socket Rack Server (2U) | Quad-Socket Rack Server (2U) |
| Chipset | Intel® C246 | Intel® C612 | Intel® C624 | Intel® C624 | Intel® C624 | Intel® C624 |
| Mainboard | D3675 | D3279-H | D3386 | D3383 | D3384 | D3753 |
| Processor | 1 x Intel® Xeon® E-2100 processor family / Intel® Celeron® processor / Intel® Core™ i3 processor / Intel® Pentium® processor | 1 - 2 x Intel® Xeon® processor E5-2600 v4 product family | 1 - 2 x Intel® Xeon® Processor Scalable Family | 1 - 2 x Intel® Xeon® Processor Scalable Family | 1 - 2 x Intel® Xeon® Processor Scalable Family | 2 or 4 x Intel® Xeon® Processor Scalable Family |
| Memory | 4 (2 banks with 2 DIMMs each) 4 GB - 64 GB DIMM (DDR4) | 12 (6 DIMMs per CPU, 2 channels with 3 slots per channel) / 8 GB - 384 GB DIMM (DDR4) | 12 (6 DIMMs per CPU, 6 channels with 1 DIMM per channel) 8 GB - 384 GB DIMM (DDR4) | 24 (12 DIMMs per CPU, 6 channels with 2 slots per channel) 8 GB - 3.072 GB DIMM (DDR4) | 24 (12 DIMMs per CPU, 6 channels with 2 slots per channel) 8 GB - 3.072 GB DIMM (DDR4) | 48 (12 DIMMs per CPU, 6 channels with 2 slots per channel) 16 GB - 6 TB DIMM (DDR4) |
| Slots | 1 x Low profile PCI-Express 3.0 x4<br>2 x Low profile Length 175mm (PCI-Express 3.0 x8); PCIe slot#1 supports Modular RAID functions | 2 x Low profile PCI-Express 3.0 x8<br>2 x Low profile (2nd CPU required for slot 4) PCI-Express 3.0 x16 | 3 x Low profile PCI-Express 3.0 x8<br>3 x Low profile PCI-Express 3.0 x16 | 1 x Low profile (2nd processor required for slot 4) PCI-Express 3.0 x8<br>3 x Low profile (2nd processor required for slot 4) PCI-Express 3.0 x16 | 3 x Low profile (2nd processor required for slot 4) PCI-Express 3.0 x8<br>3 x Low profile (2nd processor required for slot 5 and 6) PCI-Express 3.0 x16 | 8 x PCI-Express 3.0 x16 whereas 4x full height and 4x low profile with up to 167mm length |
| LAN Controller (onboard) | 2 x 1 Gbit/s onboard | Onboard RAID 0/1 6Gbit/s | 2 x 1 Gbit/s onboard | 2 x 1 Gbit/s onboard<br>Optional DynamicLoM OCP adaptors:<br>2 x 10 Gbit/s (RJ45), 2 x 10 Gbit/s SFP+,<br>4 x 1 Gbit/s (RJ45), 4 x 10 Gbit/s SFP+ | 2 x 1 Gbit/s onboard<br>Optional DynamicLoM OCP adaptors:<br>2 x 10 Gbit/s (RJ45), 2 x 10 Gbit/s SFP+,<br>4 x 1 Gbit/s (RJ45), 4 x 10 Gbit/s SFP+ | Optional DynamicLoM OCP adaptors:<br>2 x 10 Gbit/s (RJ45), 2 x 10 Gbit/s SFP+,<br>4 x 1 Gbit/s (RJ45), 4 x 10 Gbit/s SFP+ |
| Graphics Options | NVIDIA® Quadro® P400 | - | NVIDIA® NVS315 / NVIDIA® Quadro® P400 | NVIDIA® NVS315 / NVIDIA® Quadro® P400 | NVIDIA® Quadro® P400 / M4000 / P4000 / M5000 / NVIDIA® Tesla® M10 / P40 / M60 / P100 / V100 | - |
| Storage Drives | up to 4 x 3.5-inch or 10 x 2.5-inch or 8 x 2.5-inch hot plug SAS/SATA (with up to 4x2.5-inch NVMe PCIe SSDs) | up to 8 x 2.5-inch or 4 x 3.5-inch | 2.5-inch base units (max. 24 x 2.5) or 3.5-inch base units (max. 12 x 3.5) | up to 8 x 2.5-inch, 10 x 2.5-inch or 4 x 3.5-inch base unit | up to 12 x 3.5-inch or 24 x 2.5-inch hot-plug SAS/SATA (4x 2.5-inch hot-plug SAS/SATA rear option) | up to 16 x 2.5-inch hot-plug SAS/SATA/PCIe |
| Fan Configuration | 5 hot plug fans (4+1 for redundancy) | 6 redundant / hot-plug fan modules | 4 redundant / non hot-plug fan modules | 8 redundant / hot-plug fan modules | 6 redundant / hot-plug fan modules | 12 redundant / hot-plug fan modules |
| Power Supply Units | 1x standard power supply or1x hot-plug power supply or 2x hot plug power supplies for redundancy depending on model | 1+1 hot-plug power supply | 1x non hot-plug power supply or 2x hot-plug power supply for redundancy | 1 x hot-plug power supply or 2 x hot-plug power supply for redundancy | 1 x hot-plug power supply or 2x hot-plug power supply for redundancy | 2 hot-plug power supplies (standard), single power supply configuration possible |
| Remote Management | iRMC S5, 512 MB attached memory incl. graphics controller IPMI 2.0 compatible | iRMC S4, 256 MB attached memory incl. graphics controller IPMI 2.0 compatible | iRMC S5, 512 MB attached memory incl. graphics controller IPMI 2.0 compatible | iRMC S5, 512 MB attached memory incl. graphics controller IPMI 2.0 compatible | iRMC S5, 512 MB attached memory incl. graphics controller IPMI 2.0 compatible | iRMC S5, 512 MB attached memory incl. graphics controller IPMI 2.0 compatible |
| Special Features | Best 1-socket Xeon E rack server with SPECjbb2015 worldwide / World best 1-socket virtualization platform with VMmark V3.0 (as of Nov 06th, 2018) | - | - | - | Optional Liquid Cooling (on special request) / Best 2-socket server with SPECjbb2015 worldwide (as of Sep 13th, 2018) | Optional Liquid Cooling (on special request)/ World best 8-socket virtualization platform with VMmark V3.0 / World best 4-socket with SAP HANA benchmark (as of Jul 18th, 2018) |

# FUJITSU Server PRIMERGY Systems

## Traditional Values. Innovative Success.

**QUALITY**

Business-proven quality ensures continuous operation with almost no unplanned downtimes

**EFFICIENCY**

Highest efficiency cuts cost, accelerates IT workloads to shorten time-to-business results

**AGILITY**

More agility in daily operations helps to turn IT faster into a business advantage

**INTEGRATION**

Seamless integration in heterogeneous environments cut operational cost and complexity





### PRIMERGY TX TOWER-SERVERS

| Model | PRIMERGY TX1310 M3 | PRIMERGY TX1320 M4 | PRIMERGY TX1330 M4 | PRIMERGY TX2550 M4 |
|---|---|---|---|---|
| Claim | An ideal server for your essential workloads | Ultra-compact advanced server to grow your business | Highly expandable advanced server for typical SME business requirements | Tower powerhouse with the richest feature set |
| Type | Mono-Socket Tower Server | Mono-Socket Tower Server | Mono-Socket Tower Server | Dual-Socket Tower Server |
| Chipset | Intel® C236 | Intel® C246 | Intel® C246 | Intel® C624 |
| Mainboard | D 3521 | D3673 | D3673 | D3386 |
| Processor | 1 x Intel® Xeon® processor E3-1200 v6 / Intel® Core™ i3 processor / Intel® Pentium® processor/ Intel® Celeron® processor * | 1 x Intel® Xeon® E-2100 / Intel® Core™ i3 processor/ Intel® Pentium® processor/ Intel® Celeron® processor * | 1 x Intel® Xeon® E-2100 processor family / Intel® Core™ i3 processor/ Intel® Pentium® processor | 1 - 2 x Intel® Xeon® Processor Scalable Family |
| Memory | 4 (2 banks with 2 DIMMs each) / 4 GB - 64 GB DIMM (DDR4) | 4 (2 banks with 2 DIMMs each) / 4 GB - 64 GB DIMM (DDR4) | 4 (2 banks with 2 DIMMs each) / 4 GB - 64 GB DIMM (DDR4) | 12 (6 DIMMs per CPU, 6 channels with one DIMM per channel) / 8 GB - 768 GB DDR4 |
| Slots | 1 x Full height, up to 215 mm length (PCI-Express 3.0 x4) / 1 x Full height, up to 240 mm length (PCI-Express 3.0 x16) / 2x notched (PCI-Express x1) | 1 x Low profile (PCI-Express 3.0 x1 (mech. x4) / 1 x Low profile (PCI-Express 3.0 x4) / 2 x Low profile notched (PCI-Express 3.0 x8) | 1 x Full height (PCI-Express 3.0 x1 (mech. x4) / 1 x Full height (PCI-Express 3.0 x4) / 2 x Full height notched (PCI-Express 3.0 x8) | 5 x Full height (PCI-Express 3.0 x8) / 3 x Full height (PCI-Express 3.0 x16)/ 1 x PCI 32 (Note: 8 total slots with 1x PCIe 3.0 x16 slot is occupied by riser card) |
| LAN Controller (onboard) | Intel® i210 onboard 10/100/1000 Mbit/s Ethernet | Intel® i210 onboard 2 x 10/100/1000 Mbit/s Ethernet | Intel® i210 onboard 2 x 10/100/1000 Mbit/s Ethernet | 2 x 1 Gbit/s onboard Optional DynamicLoM OCP adaptors: 2 x 10 Gbit/s (RJ45), 2 x 10 Gbit/s SFP+, |
| Graphics Options | NVIDIA® NVS315 / NVIDIA® Quadro® P400 | NVIDIA® Quadro® P400 | NVIDIA® Quadro® P400 | NVIDIA® Quadro® P400 |
| Storage Drives | up to 4 x 3.5-inch cold-plug SATA | up to 2x 3.5-inch non hot-plug or 8x 2.5-inch hot-plug SAS/SATA (or 4x 2.5-inch drives + 4x NVMe drives) | Up to 12x 3.5-inch (or 8x 3.5-inch + 4x 2.5-inch NVMe) drives or 24x 2.5-inch hot-plug SAS/SATA (or 16x 2.5-inch SAS/SATA + 4x 2.5-inch NVMe) drives | up to 8x 3.5-inch or 24x 2.5-inch hot-plug SAS/SATA |
| Fan Configuration | Silent system fans Non hot-plug | up to 3 fan modules | up to 2 fan modules (redundant fan capability via hot-plug PSU base units) | up to 3 (optional non-hot plug redundant or single hot plug red.) |
| Power Supply Units | 1 x standard power supply 250W standard, 85% (Bronze efficiency) | 1 x standard, 1 x hot-plug, 2 x hot-plug redundant, 1 x hot-plug + 1 x Fujitsu FJBU (depending on base unit) | 1 x standard, 1 x hot-plug, 2 x hot-plug redundant, 1 x hot-plug + 1 x Fujitsu FJBU (depending on base unit) | 1x non hot-plug power supply or 2x hot-plug power supply for redundancy |
| Remote Management | Standard management | iRMC S5, 512 MB attached memory incl. graphics controller IPMI 2.0 compatible | iRMC S5, 512 MB attached memory incl. graphics controller IPMI 2.0 compatible | iRMC S5, 512 MB attached memory incl. graphics controller IPMI 2.0 compatible |
| Special Features | - | Best 1-socket Xeon E server with SPECjbb2015 Composite (Nov 06th, 2018) | Best 1-socket Xeon E server with SPECrate2017 (as of Nov 06th, 2018) | - |

### PRIMERGY CX MULTI-NODE SERVERS

| Model | PRIMERGY CX400 M4 |
|---|---|
| Claim | Workload-specific power in a modular form factor |
| Type | Multi-node server (2U chassis) |
| Front Bays | Up to 24x 2.5-inch storage drives (usability depending on the server node) |
| Rear Bays | 4 bays for half witdh server nodes 2x hot-plug and redundant (optional) power supply units 1,600W/2,400 W (94% efficiency) |
| Fan Configuration | 8 hot-plug and redundant fans modules with 7+1 redundancy |

### PRIMERGY CX400 SERVER NODES

| Model | PY CX2550 M4 | PY CX2560 M4 | PY CX2570 M4 |
|---|---|---|---|
| Characteristics | Cloud/HPC optimized server node | All-round server node | HPC/VDI optimized server node |
| Type | Dual-Socket 1U Server Node (half wide) | Dual-Socket 1U Server Node (half wide) | Dual-Socket 2U Server Node (half wide) |
| Processor | 1 - 2 x Intel® Xeon® Processor Scalable | 1 - 2 x Intel® Xeon® Processor Scalable | 1 - 2 x Intel® Xeon® Processor Scalable |
| Memory | 16 DIMM (DDR4) 8 GB - 2048 GB | 16 DIMM (DDR4) 8 GB - 2048 GB | 16 DIMM (DDR4) 8 GB - 2048 GB |
| PCI Slots | 2x PCI-Express 3.0 x16 | 2x PCI-Express 3.0 x16 / 1x OCP slot | 2x PCI-Express 3.0 x16 / 1x OCP slot |
| Storage Drives | up to 2x 2.5-inch | up to 6x 2.5-inch | up to 6x 2.5-inch |
| Special Features | Air- / Liquid cooling | Most powerful multi node server with VMmark V3.0 (as of Sep 25th, 2018) | NVIDIA® Tesla® M10 / P40 / M60 /P100 / V100 |




* Note: Intel® Celeron® processor available on special release basis