

# FUJITSU Server PRIMERGY Portfolio

Server innovations which  
make a greater contribution  
to your business




FUJITSU









shaping tomorrow with you

# Higher IT efficiency and reduced total cost of ownership

## FUJITSU PRIMERGY Tower and Rack Servers

| Model                        | PRIMERGY TX1310 M1                | PRIMERGY TX1320 M1  | PRIMERGY TX1330 M1  |
|------------------------------|--|--|--|
| <b>Characteristics</b>       | The ideal first server   | For small environments with high demands   | Expandable all-round server for SMEs   |
| <b>Type</b>                  | Mono socket tower server   | Mono socket tower server   | Mono socket tower server   |
| <b>Height units</b>          | -  | -  | 4 U when used in a rack  |
| <b>Processor</b>             | Intel® Xeon® processor product E3 v3 family, Intel® Celeron® processor, Intel® Core™ i3, Intel® Pentium® processor | Intel® Xeon® processor E3 v3 product family, Intel® Core™ i3, Intel® Pentium®                          | Intel® Xeon® processor E3 v3 product family, Intel® Core™ i3, Intel® Pentium®                          |
| <b>Memory capacity</b>       | 2 GB - 32 GB, 4 DIMM (DDR3)  | 4 GB - 32 GB, 4 DIMM (DDR3) UDIMM  | 4 GB - 32 GB, 4 DIMM (DDR3) UDIMM  |
| <b>Storage configuration</b> | 4x 3.5-inch easy change SATA   | 6 x 2.5-inch or 2 x 3.5-inch   | 8 x 2.5-inch or 4 x 3.5-inch   |
| <b>iRMC</b>                  | no   | yes (advanced pack opt.)   | yes (advanced pack opt.)   |
| <b>RAID 0, 1, 10   5, 6</b>  | ✓   -  | ✓   optional   | ✓   optional   |
| <b>I/O slots</b>             | 2x PCIe 3.0 x8, 1x PCIe 2.0 x4, 1x PCIe 2.0 x1   | 2 x PCIe 3.0 x8, 1 x PCIe 2.0 x4, 1x PCIe 2.0 x1   | 2 x PCIe 3.0 x8, 1 x PCIe 2.0 x4, 1x PCIe 2.0 x1   |

| Model                        | PRIMERGY TX150 S8  | PRIMERGY TX2540 M1  | PRIMERGY TX300 S8  |
|------------------------------|---|--|---|
| <b>Characteristics</b>       | The one-processor tower server - maximized!   | Well-balanced price-performance  | No compromise tower server  |
| <b>Type</b>                  | Mono socket tower server  | Dual socket tower server   | Dual socket tower server  |
| <b>Height units</b>          | 4 U when used in a rack   | 4 U when used in a rack  | 4 U when used in a rack   |
| <b>Processor</b>             | Intel® Xeon® processor E5-2400 / E5-1400 product family, Intel® Pentium® processor                  | Intel® Xeon® processor E5-2400v2 product family  | Intel® Xeon® processor E5-2600v2 product family   |
| <b>Memory capacity</b>       | 2 GB - 96 GB, 6 DIMM (DDR3)   | 4 GB - 192 GB, 12 DIMM (DDR3)  | 2 GB - 1536 GB, 24 DIMM (DDR3)  |
| <b>Storage configuration</b> | 8 x 3.5-inch or 16 x 2.5-inch   | 8 x 3.5-inch or 24 x 2.5-inch  | 12 x 3.5-inch or 24 x 2.5-inch  |
| <b>iRMC</b>                  | yes (advanced pack opt.)  | yes (advanced pack opt.)   | yes (advanced pack opt.)  |
| <b>RAID 0, 1, 10   5, 6</b>  | ✓   optional  | ✓   optional   | ✓   optional  |
| <b>I/O slots</b>             | 2 x PCIe 3.0 x4, 1 x PCIe 3.0 x16, 1 x PCIe 2.0 x1, 1 x PCIe 2.0 x4, 1 x PCI                        | 2 x PCIe 3.0 x16, 2 x PCIe 3.0 x4, 1 x PCIe 2.0 x4, 1 x PCI  | 2 x PCIe 3.0 x16, 5 x PCIe 3.0 x8, 2 x PCIe 3.0 x4, 1 x PCIe 2.0 x4                                   |

| Model                        | PRIMERGY RX1330 M1  | PRIMERGY RX2520 M1  | PRIMERGY RX200 S8  |
|------------------------------|--|--|---|
| <b>Characteristics</b>       | Small in size and low in cost – rich in optional features  | Scalable rack server for essential business apps   | Maximum productivity in a 1U housing  |
| <b>Type</b>                  | Mono socket rack server  | Dual socket rack server  | Dual socket rack server   |
| <b>Height units</b>          | 1 U  | 2 U  | 1 U   |
| <b>Processor</b>             | Intel® Xeon® processor E3-1200v3 product family, Intel® Core™ i3, Intel® Pentium® processor            | Intel® Xeon® processor E5-2400v2 product family  | Intel® Xeon® processor E5-2600v2 product family   |
| <b>Memory capacity</b>       | 2 GB - 32 GB, 4 DIMM (DDR3) UDIMM  | 2 GB - 192 GB, 12 DIMM (DDR3)  | 2 GB - 1536 GB, 24 DIMM (DDR3)  |
| <b>Storage configuration</b> | 4 x 3.5-inch or 8/10 x 2.5-inch  | 8 x 3.5-inch or 12/16 x 2.5-inch   | 4 x 3.5-inch or 8 x 2.5-inch  |
| <b>iRMC</b>                  | yes (advanced pack opt.)   | yes (advanced pack opt.)   | yes (advanced pack opt.)  |
| <b>RAID 0, 1, 10   5, 6</b>  | ✓   optional   | ✓   optional   | ✓   optional  |
| <b>I/O slots</b>             | 2 x PCIe 3.0 x8, 1 x PCIe 2.0 x4   | 6 x PCIe 3.0 x8, 1 x PCIe 2.0 x4   | 3 x PCIe 3.0 x8, 1 x PCIe 3.0 x16   |

# Higher IT efficiency and reduced total cost of ownership

## FUJITSU PRIMERGY Rack and Blade Servers



| Model                          | PRIMERGY RX2540 M1                              | PRIMERGY RX350 S8   | PRIMERGY RX4770 M1  |
|--------------------------------|---|---|---|
| <b>Characteristics</b>         | The datacenter standard without compromise      | Maximum expandability in a 2 way server                             | Platform of choice for business critical backend services with superior levels of performance and reliability |
| <b>Type</b>                    | Dual socket rack server                         | Dual socket rack server   | Quad socket rack server   |
| <b>Height units</b>            | 2 U   | 4 U   | 4 U   |
| <b>Processor</b>               | Intel® Xeon® processor E5-2600v3 product family | Intel® Xeon® processor E5-2600v2 product family                     | Intel® Xeon® processor E7-4800v2/8800v2 product families  |
| <b>Memory capacity</b>         | 4 GB - 768 GB, 24 DIMM (DDR4)                   | 2 GB - 1536 GB (DDR3)   | 16GB - 6 TB, 96 DIMM (DDR3)   |
| <b>Storage drives hot-plug</b> | 12 x 3.5-inch or 24 x 2.5-inch                  | 12 x 3.5-inch or 24 x 2.5-inch                                      | 8 x 2.5-inch  |
| <b>iRMC</b>                    | yes (advanced pack opt.)                        | yes (advanced pack opt.)  | yes (advanced pack opt.)  |
| <b>RAID 0, 1, 10   5, 6</b>    | ✓   optional                                    | ✓   optional  | optional   optional   |
| <b>I/O slots</b>               | 3 x PCIe 3.0 x8, 3 x PCIe 3.0 x16               | 2 x PCIe 3.0 x16, 5 x PCIe 3.0 x8, 2 x PCIe 3.0 x4, 1 x PCIe 2.0 x4 | 2 x PCIe 3.0 x16, 9 x PCIe 3.0 x8   |



| Model                              | PRIMERGY BX2560 M1   | PRIMERGY BX920 S4  | PRIMERGY BX924 S4   | PRIMERGY SX960 S1  | PRIMERGY SX980 S2                                     |
|------------------------------------|--|--|---|--|---|
| <b>Characteristics</b>             | All-in-one server blade optimized for mainstream virtualization and enterprise workloads   | Mainstream dual-socket server blade for essential enterprise workloads | High-end server blade with maximum scalability for demanding applications | Direct attached and, in combination with Microsoft Windows Server 2012 or other software products, shared storage solution | Centralized storage capacity via SAS Connection Blade |
| <b>Type</b>                        | Dual socket Server Blade   | Dual socket Server Blade   | Dual socket Server Blade  | Storage Blade Disk   | Storage Blade Disk                                    |
| <b>Max. number per BX900</b>       | 18   | 18   | 18  | 2  | 6   |
| <b>Max. number per BX400</b>       | 8  | 8  | 8   | 2  | 2   |
| <b>Processor</b>                   | Intel® Xeon® processor E5-2600 v3 product family   | Intel® Xeon® processor E5-2400 v2 product family                       | Intel® Xeon® processor E5-2600 v2 product family                          | -  | -   |
| <b>Memory capacity</b>             | 8 GB - 1024 GB, 16 DIMM (DDR4)   | 4 GB - 768 GB, 12 DIMM (DDR3)  | 4 GB - 1024 GB, 24 DIMM (DDR3)  | -  | -   |
| <b>Storage drives hot-plug</b>     | 2 x 2.5-inch or 2x 3.5-inch hot-plug   | 2 x 2.5-inch hot-plug  | 2 x 2.5-inch non hot-plug   | 10 x 2.5-inch  | 10x 2.5-inch  |
| <b>iRMC</b>                        | yes (iRMC S4, 256 MB attached memory incl. graphics controller)  | yes (iRMC S4, 256 MB attached memory incl. graphics controller)        | 256 MB attached memory incl. graphics controller)                         | -  | -   |
| <b>RAID 0, 1   5, 6</b>            | ✓   optional   | ✓   optional   | ✓   optional  | ✓   ✓  | ✓   ✓   |
| <b>Ethernet controller onboard</b> | 2 x 10 Gbit/s CNA via midplane to Ethernet Connection Blade  |  |   | -  | -   |
| <b>Mezzanine cards</b>             | 2 x PCIe 3.0 x8 (Quad 1 Gbit/s Eth, Dual 10 Gbit/s Eth, Dual 8 Gbit/s FC, Dual 40 Gbit/s IB, Dual 56 Gbit/s IB, SAS HBA/RAID 6 Gbit/s, Dual 10 Gbit/s CNA) |  |   | -  | -   |

| Model                             | PRIMERGY BX400 S1  | PRIMERGY BX900 S2   |
|-----------------------------------|--|---|
| <b>Characteristics</b>            | Affordable and fully-featured blade system for midsized companies  | Complete dynamic server infrastructure in a single chassis for enterprise data centers  |
| <b>System unit type</b>           | 6 U chassis or floorstand version  | 10 U chassis  |
| <b>Dimensions</b>                 | 445 x 785 x 267 mm (WxDxH)   | 445 x 778 x 438 mm (WxDxH)  |
| <b>Front bays</b>                 | 8 x for server or storage blades   | 18 x for server or storage blades   |
| <b>Midplane</b>                   | High speed midplane with 3 fabrics   | High speed midplane with 4 redundant fabrics  |
| <b>Rear bays</b>                  | 4 x for Connection Blades<br>4 x for PSU-Fan modules   | 8 x for Connection Blades<br>(2 connection blades per fabric)<br>6 x for PSU modules  |
| <b>Management Blades</b>          | 1 x hot-plug Management Blade as standard, redundant Management Blade as option  | 1 x hot-plug Management Blade as standard, redundant Management Blade as option   |
| <b>Fan configuration</b>          | Up to 3 hot-plug, redundant fan units (2 fan modules per unit)   | Up to 3 additional hot-plug, redundant fan modules  |
| <b>Power supply configuration</b> | Up to 4 x hot-plug power supply modules (1 x as standard)  | Up to 6 x hot-plug power supply modules, 3 x as minimum (4th to 6th power supply modules necessary for redundancy, depending on system configuration) |
| <b>Connection Blade type</b>      | <b>Ethernet:</b> 1 Gbit/s 18/6 switch, 1 Gbit/s 36/12 switch, 1 Gbit/s 36/8+2 DCB (Ethernet, FCoE, iSCSI); 10/40 Gbit/s 18/8+2 IBP switch, 10 Gbit/s 18/6+6 Fabric switch, 10 Gbit/s 16/8 Fabric Extender, 10 Gbit/s 18/18 Pass Thru<br><b>Fibre Channel (FC):</b> 8 Gbit/s 26-port switch, 8Gbit/s 14-port switch, 8 Gbit/s 18/18 Pass Thru<br><b>SAS:</b> 6 Gbit/s 18/6 SAS switch<br><b>InfiniBand (IB):</b> 56 Gbit/s 18/18 IB switch (Mellanox) |   |

# PRIMERGY scale-out servers

## FUJITSU PRIMERGY CX server family



| Model   | PRIMERGY CX400 M1  |
|---|--|
| <b>Characteristics</b>  | Rack optimized enclosure for double dense server nodes providing high efficiency and best serviceability for various datacenter (cloud) scenarios. |
| <b>System unit type</b>   | 2 U chassis for 19-inch rack   |
| <b>Weight</b>   | up to 40 kg  |
| <b>Front bays</b>   | Storage drives:<br>24 x 2.5-inch (HDD, SSD)  |
| <b>Rear bays</b>  | 4 x for half wide server trays CX25x0 M1; 2 x for PSU  |
| <b>Fan configuration</b>  | 4 non hot-plug fans  |
| <b>Max. input of single power supply</b>                        | 1600 W (94% efficiency)  |
| <b>Power supply configuration</b>                               | up to 2 x hot-plug power supply modules  |
| <b>Operation panel / button - Status LED</b>                    | - On/Off switch / ID button<br>- Identification (blue)<br>Power (green)  |
| <b>Warranty</b>   |  |
| <b>Standard Warranty</b>  | 3 years  |
| <b>Service Level</b>  | On-site Service  |
| <b>Standard Warranty note</b>                                   | (depending on country)   |
| <b>Maintenance and Support Services - the perfect extension</b> |  |
| <b>Recommended Service</b>                                      | 7 x 24, Onsite Response Time: 4h - For locations outside of EMEA please contact your local FUJITSU partner.  |
| <b>Service Lifecycle</b>  | 5 years after end of product life  |
| <b>Number of Nodes</b>  | 4 x CX2550 M1<br>2 x CX2570 M1   |

| Model   | PRIMERGY CX2550 M1   | PRIMERGY CX2570 M1  |
|---|--|---|
| <b>Characteristics</b>  | 1 U half wide server node for PRIMERGY CX400 M1 Multi-Node system  | 2 U half wide server node with GPGPU for PRIMERGY CX400 M1 Multi-Node system  |
| <b>Type</b>   | Dual socket node   | Dual socket node  |
| <b>Chipset</b>  | Intel® C610  | Intel® C610   |
| <b>Processor(s)</b>   | Intel® Xeon® processor E5-2600v3 product family  |   |
| <b>Memory</b>   | 16 GB – 512 GB (DDR4)  | 16 GB – 512 GB (DDR4)   |
| <b>Memory protection</b>  | Advanced ECC, SDDC (Chipkill™)   |   |
| <b>optional GPU</b>   | 1x GPGPU<br>NVIDIA Tesla K20 / K20X / K40 computing processor<br>NVIDIA® GRID K1 / K2 or<br>1x Intel Xeon Phi coprocessor 3120P / 5110P / 7120P  |   |
| <b>Drive bays</b>   | 6 x 2.5-inch (depending on hardware configuration)   |   |
| <b>I/O slots</b>  | 2 x PCIe 3.0 x16 (low profile)   | 2 x PCIe 3.0 x8<br>1 x PCIe 3.0 x16 for GPGPU   |
| <b>Onboard or integrated controller</b>                                     |  |   |
| <b>SATA Controller</b>  | Intel® C610, for up to 6x 2.5-inch SAS/SATA HDD or SAS/SATA SSD  | Intel® C610, for up to 6x 2.5-inch SAS/SATA HDD or SAS/SATA SSD   |
| <b>RAID Controller LAN</b>  | RAID 0/1 for internal drives<br>2 x 10/100/1000<br>Mbit/s Ethernet (TCP/IP acceleration)   | RAID 0/1 for internal drives<br>2 x 10/100/1000<br>Mbit/s Ethernet (TCP/IP acceleration)  |
| <b>Remote Management Controller</b>   | Baseboard management controller (BMC), IPMI 2.0 compatible   |   |
| <b>Operating system and Virtualization Software</b>                         |  |   |
| <b>Certified or supported operating systems and virtualization software</b> | Microsoft® Windows Server 2012 R2 Standard, Datacenter<br>Microsoft® Hyper-V-Server 2012 R2<br>VMware vSphere™ 5.0, 5.1<br>SUSE Linux Enterprise Server 11<br>Red Hat Enterprise Linux 6, 7<br>Citrix® Xen Server® | Microsoft® Windows Server 2012 R2 Standard, Datacenter<br>Microsoft® Hyper-V-Server 2012 R2<br>VMware vSphere™ 5.0, 5.1, 5.2<br>SUSE Linux Enterprise Server 11<br>Red Hat Enterprise Linux 6, 7<br>Citrix® Xen Server® |

| Model   | PRIMERGY CX420 S1   |
|---|---|
| <b>Characteristics</b>  | High availability for lower expertise and limited budgets   |
| <b>System unit type</b>   | 2 U chassis for 19-inch rack  |
| <b>Weight</b>   | up to 38 kg plus 2.5 kg for rack rails  |
| <b>Front bays</b>   | Storage drives:<br>12 x 3.5-inch for<br>3.5-inch /2.5-inch HDDs   |
| <b>Rear bays</b>  | 2 bays for half wide server trays CX272 S1<br>2x for PSU  |
| <b>Fan configuration</b>  | 4 non hot-plug fans   |
| <b>Power supply configuration</b>                               | 2x hot-plug power supply modules  |
| <b>Operation panel / buttons</b>                                | On/Off switch ID button   |
| <b>Warranty</b>   |   |
| <b>Standard Warranty</b>  | 3 years   |
| <b>Service Level</b>  | On-site Service   |
| <b>Standard Warranty note</b>                                   |   |
| <b>Maintenance and Support Services - the perfect extension</b> |   |
| <b>Recommended Service</b>                                      | 7 x 24, Onsite Response Time: 4h - For locations outside of EMEA please contact your local FUJITSU partner. |
| <b>Number of nodes</b>  | 2x CX272 S1   |

| Model   | PRIMERGY CX272 S1   |
|---|---|
| <b>Characteristics</b>  | Strong Performance and Cluster Readiness combined   |
| <b>Type</b>   | Dual socket server node   |
| <b>Chipset</b>  | Intel® C600   |
| <b>Processor(s)</b>   | Intel®Xeon® processor E5-2600 product family  |
| <b>Memory</b>   | 8– 256 GB   |
| <b>Memory protection</b>  | Advanced ECC<br>SDDC (only for registered DIMMs)  |
| <b>Storage drive bays</b>   | 6x 2.5-inch or 6x 3.5-inch (local in CX420 S1)<br>2x 2.5-inch internal in CX272 S1  |
| <b>I/O slots</b>  | 3x PCIe 3.0 x8  |
| <b>Onboard or integrated controller</b>                                     |   |
| <b>LAN</b>  | 2x 10/100/100 Mbit/s Ethernet (TCP/IP acceleration)   |
| <b>RAID Controller SATA Controller Remote Management controller</b>         | RAID 0/1 for internal drives<br>Intel® C610<br>Baseboard management controller (BMC)<br>IPMI 2.0 compatible   |
| <b>Operating system and Virtualization Software</b>                         |   |
| <b>Certified or supported operating systems and virtualization software</b> | Microsoft® Hyper-V-Server 2012 R2<br>Windows Server 2012 R2<br>Windows Storage Server 2012 R2<br>Microsoft® Hyper-V-Server 2012<br>Windows Server 2012<br>Windows Storage Server 2012 |

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