Micro server for macro results

With limited budgets and resources, small businesses must focus on maximizing productivity at minimum cost. Fujitsu Server PRIMERGY MX Micro Server 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 S2
The Fujitsu Server PRIMERGY MX130 S2 is just what small businesses need. The MX130 S2 is a solid platform on which to base your file, web or print services. It increases your company's potential by offering server reliability, efficiency and great value. 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 S2 comes in an ultra-compact chassis which can also be used horizontally. And, best of all, it is so silent you will hardly know it is there. PRIMERGY MX130 S2 – the micro server for macro results.
# Features & Benefits

## Main Features

- 24x7 performance, server ECC memory, onboard RAID 0/1/10 and optional Trusted Platform Module (TPM)
- Up to 16 GB DDR3 ECC RAM
- Can integrate up to 4x 3.5-inch HDDs or up to 6x 2.5-inch HDDs
- Ultra-compact form factor with less than 13 liters volume - can be used everywhere in either vertical or horizontal position
- High energy efficiency with 85% efficiency power supply unit (PSU)

## Benefits

- Higher data safety and reliability than using PCs with external USB drives or optical media
- Share information by running office server applications
- Flexible and expandable base unit
- Ideal for all environments where space is scarce, e.g. small offices, retail environments or education
- Benefit from Fujitsu's pioneering experience in Green IT - save money and minimize environmental impact
## Technical details

### PRIMERGY MX130 S2

#### Mainboard

- **Mainboard type:** D3090
- **Chipset:** AMD 880G
- **Processor quantity and type:** 1 x AMD Athlon™ II / AMD Opteron™ 3000 series / AMD FX series
- **Processor:** AMD Athlon™ II XLT V66C (2 Cores, 2.8 GHz, SLC: 2 MB)

#### Memory

- **Memory slots:** 4
- **Memory slot type:** DIMM (DDR3) ECC
- **Memory capacity (min. - max.):** 2 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 options

- **Memory options:** 4 GB (1 module(s) 4 GB) DDR3, ECC, 1,333 MHz, PC3-10600, DIMM

#### Interfaces

- **USB 2.0 ports:** 12 (2 x front, 5 x back, 4 x internal)
- **DVI:** 1 (Dual link DVI-I), ATI Radeon® HD 4250 (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.
- **Audio:** line-in 1
- **Audio:** line-out 1
- **Audio:** microphone 1
- **Audio: comments:** For projects only
- **Serial connection:** 1 9pin, 16 byte FIFO, 16550 compatible
- **Mouse / Keyboard (PS/2):** 2
- **LAN / Ethernet (RJ-45):** 1 Gbit/s Ethernet

#### I/O controller on board

- **RAID controller:** 6 port SATA with RAID 0/1/10 for HDDs
- **SATA Controller:** SATA II
- **LAN Controller:** BCM 57780, 10/100/1000 Mbit/s Ethernet, PXE-Boot by LAN via PXE-Server
- **Trusted Platform Module (TPM):** Infineon / 1.2 (option)

#### Slots

- **PCI-Express 2.0 x4:** 1 x Low profile max. length 180mm
- **PCI-Express 2.0 x16:** 1 x Low profile max. length 180mm
- **PCI-Express x1:** 1 x Low profile max. length 85mm
- **PCI-slots:** 1 x Low profile max. length 180mm
- **Slot Notes:** PCI 32/33 MHz, 3.3V/5V

#### Drive bays

- **Storage drive bays:** 3.5-inch non hot-plug SATA
- **Storage drive bay configuration:** Max 4 (2+2) x 3.5-inch (2 x Easy Change, 2 x screw-in)
- **Accessible drive bays:** 1 x 5.25/1.6-inch for slimline ODD and 3.5-inch HDD (internal), or backup devices, or 1.6-inch height ODD, or 3.5-inch HDD (internal) 1 x 5.25/0.5-inch for slimline ODD, or 1 x 3.5-inch HDD (internal)
- **Notes accessible drives:** All possible option described in System Architect.
- **Number of fans:** 3
- **Fan configuration:** Front-fan, CPU-fan, PSU-fan
- **Fan notes:** Non hot plug
### Operating panel

<table>
<thead>
<tr>
<th>Operating button</th>
<th>Status LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>On/off switch</td>
<td>Power (green)</td>
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</tbody>
</table>

### Operating systems

**Certified or supported operating systems and virtualization software**

- Microsoft® Hyper-V Server 2012 R2
- Microsoft® Windows Server® 2012 R2 Datacenter
- Microsoft® Windows Server® 2012 R2 Standard
- Microsoft® Windows Server® 2012 R2 Essentials
- Microsoft® Windows Server® 2012 R2 Foundation
- Microsoft® Windows Storage Server 2012 R2 Standard
- Microsoft® Hyper-V Server 2012
- Microsoft® Windows Server® 2012 Datacenter
- Microsoft® Windows Server® 2012 Standard
- Microsoft® Windows Server® 2012 Essentials
- Microsoft® Windows Server® 2012 Foundation
- Microsoft® Windows Storage Server 2012 Standard
- Microsoft® Hyper-V™ Server 2008 R2
- Microsoft® Windows Server® 2008 R2 Standard
- Microsoft® Windows Server® 2008 R2 Foundation

**Operating system release link**


**Operating system notes**

Novell® certification
Red Hat® certification
Support of other Linux derivatives on demand

### Server Management

#### Dimensions / Weight

- **Floor-stand (W x D x H):** 98 x 383 x 340 mm
- **Dimension notes:** Dimensions in vertical position (excluding feet)
- **Weight:** approx. 8 kg
- **Weight notes:** Actual weight may vary depending on configuration

### Environmental

- **Operating ambient temperature:** 10 - 35 °C
- **Operating environment**
  - FT5 04230 – Guideline for Data Center (installation specification)
- **Operating environment Link**
- **Noise emission**
  - According to ISO9296
- **Sound pressure (LpAm):** 20 dB(A) (idle) / 20 dB(A) (operating); may vary according to configuration.
- **Sound power (LWAd; 1B = 10dB):** 3.5B (idle) / 3.5B (operating); may vary according to configuration.
- **Noise notes:** Noise emissions and operation modes depend on system configuration.

### Electrical values

- **Power supply configuration:** 1
- **Max. output of single power supply:** 250 W
- **Power supply efficiency:** 85 %
- **Rated voltage range:** 100 V - 240 V
- **Rated frequency range:** 47 Hz - 63 Hz
- **Rated current max.:** 3.5 A - 1.5 A (100 V / 240 V)
- **Active power (max. configuration):** 159 W
- **Active power note**
- **Heat emission**
  - 572.4 kJ/h (542.3 BTU/h)

### Compliance

**Global**

- CB
- RoHS (Restriction of hazardous substances)
- WEEE (Waste electrical and electronical equipment)
## Components

### Storage drives
- HDD SATA, 2000 GB, 7,200 rpm, 3.5-inch, economic
- HDD SATA, 1000 GB, 7,200 rpm, 3.5-inch, economic
- HDD SATA, 500 GB, 7,200 rpm, 3.5-inch, economic
- HDD SATA, 250 GB, 7,200 rpm, 3.5-inch, economic
- HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, non hot plug, 3.5-inch, business critical
- HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, non hot plug, 3.5-inch, business critical
- HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, non hot plug, 3.5-inch, business critical

### Backup Drives
- RDX Drive, 320 GB, 500 GB, 1 TB, 25 MB/s, half height, USB 3.0

### Optical drives
- DVD-ROM, SATA I
- DVD Super Multi, SATA I

### Communication, Network
- Ethernet Ctrl. 1 x 1 Gbit/s (Fujitsu)
- Ethernet Ctrl. 4 x 1 Gbit/s PCIe 2.1 x4 (Fujitsu)

### Warranty
- Standard Warranty: 1 year
- Service level: Onsite Service

### Maintenance and Support Services - the perfect extension

#### Support Pack Options
- Globally available in major business areas:
  - 9x5, Next Business Day Onsite Response Time
  - 9x5, 4h Onsite Response Time
  - 24x7, 4h Onsite Response Time

#### Recommended Service
- 9x5, Onsite Response Time: Next Business Day

#### Service Lifecycle
- 5 years after end of product life

#### Service Weblink
- [http://www.fujitsu.com/fts/services/support](http://www.fujitsu.com/fts/services/support)

### 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.
More information

Fujitsu OPTIMIZATION Services
In addition to Fujitsu PRIMERGY MX130 S2, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio
Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

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

Software
www.fujitsu.com/software/

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 contribute to the creation of a sustainable environment for future generations through IT. Please find further information at http://www.fujitsu.com/global/about/environment

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More information
Learn more about Fujitsu PRIMERGY MX130 S2, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
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