

# Tipos de Máquinas

## ➤ X3950M2

### IBM System x3950 M2 Type 7141 / 7144



#### **Microprocessor:**

- Intel® Xeon™ multi-core MP
- 2 MB (minimum) Level-2 cache, per core
- 1066 MHz front-side bus (FSB)
- Support for up to four microprocessors

#### **Note:**

Use the Configuration/Setup Utility program to determine the type and speed of the microprocessors.

#### **ScaleXpander Kit:**

- One - ScaleXpander Option Key
- Two - Scalability Cables
- One - Bezel

#### **Memory:**

- Minimum: 2 GB depending on server model, expandable to 256 GB
- Type: Registered, ECC, PC2-5300 double data rate (DDR) II, SDRAM
- Sizes: 1 GB, 2 GB, 4 GB or 8 GB (when available) in pairs
- Connectors: Two-way interleaved, eight dual inline memory module (DIMM) connectors per memory card
- Maximum: Four memory cards, each card containing four pairs of PC2-5300 DDR II DIMMs

**Drives:**

- Slim DVD-ROM: IDE
- Serial Attached SCSI (SAS) hard disk drives

**Expansion bays:**

- Four SAS, 2.5-inch bays
- One 12.7 mm removable-media drive bay (DVD drive installed, standard on some models only)

**Expansion slots:**

- Seven PCI Express x8 (half-length) slots:
  - Five non-hot-swap
  - Two hot-swap

**Upgradeable microcode:**

- System BIOS, FPGA, diagnostics, service processor, BMC, and SAS microcode

**Power supply:**

- Standard: Two dual-rated power supplies
  - 1440 watts at 220 V ac input
  - 720 watts at 110 V ac input
- Hot-swappable and redundant at 220 V ac only, with two power supplies

**Size:**

- 4 U
- Height: 128.35 mm (5.05 in.)
- Depth: 715 mm (28.15 in.)
- Width: 440 mm (17.32 in.)
- Weight: approximately 43.1 kg (95 lb) when fully configured or 31.75 kg (70 lb) minimum

**Integrated functions:**

- Baseboard management controller
- IBM EXA-4 chip set with integrated memory and I/O controller
- Support for Remote Supervisor Adapter II

- Light path diagnostics
- Six Universal Serial Bus (USB) ports (2.0)
  - Three on rear of server
  - Two on front of server
  - One internal
- Broadcom 5709 dual 10/100/1000 Gigabit Ethernet controller
- ATI RN50 video
  - 16 MB video memory
  - SVGA compatible
- Serial-attached SCSI (SAS) controller with RAID capabilities
- Support for ServeRAID-MR10k SAS controller
- Serial connector
- SMP Expansion Ports

**Acoustical noise emissions:**

- Sound power, idle: 6.6 bel declared
- Sound power, operating: 6.6 bel declared

**Environment:**

- Air temperature:
  - Server on:
    - 10° to 35°C (50° to 95°F); altitude: 0 to 914 m (3000 ft). If the server has a dual-core microprocessor, at maximum power reduce the 35°C by 1°C per 300 m above sea level, or the microprocessor might throttle to remain within the internal thermal specifications.
    - 10° to 32°C (50° to 90°F); altitude: 914 m to 2133 m (7000 ft).
  - Server off: 10° to 43°C (50.0° to 109.4°F); maximum altitude: 2133 m (6998.0 ft)
- Humidity:
  - Server on: 8% to 80%
  - Server off: 8% to 80%

**Heat output:**

Approximate heat output in British thermal units (Btu) per hour:

- Minimum configuration: 1297 Btu (380 watts) per hour
- Typical configuration: 2730 Btu (800 watts) per hour
- Maximum configuration:
  - 5527 Btu per hour (1620 watts) at 110 V ac
  - 5425 Btu per hour (1590 watts) at 220 V ac

**Electrical input:**

- Sine-wave input (50-60 Hz) required
  - Input voltage low range:
    - Minimum: 100 V ac

- Maximum: 127 V acv
  - Input voltage high range:
    - Minimum: 200 V ac
    - Maximum: 240 V acv
- Approximate input kilovolt-amperes (kVA):
  - Minimum: 0.39 kVA
  - Typical: 0.8 kVA
  - Maximum: 1.65 kVA

**Operating systems supported:** (always verify OS support in [ServerProven](#))

- Windows Server 2003 R2
- Windows Server 2003 R2
- Windows Server 2008
- Red Hat EL 5 Server for 32-bit; (5.0)
- Red Hat EL 5 Server for 32-bit (w/ Xen); (5.0)
- Red Hat EL 5 Server for 64-bit (5.0)
- Red Hat EL 5 Server for 64-bit (w/ Xen) (5.0)
- Red Hat EL 4 AS, ES; for 32-bit (4.5)
- Red Hat EL 4 AS, ES; for 64-bit (4.5)
- SuSE Linux ES 10 for 32-bit (SP1)
- SuSE Linux ES 10 for 64-bit (SP1)
- SuSE Linux ES 10 for 64-bit (w/ Xen) (SP1)
- SuSE Linux ES 9 for 32-bit (SP3U2)
- SuSE Linux ES 9 for 64-bit (SP3U2)
- VMware ESX Server 3.0.2+

**Limited warranty: 3 year parts and labor**