

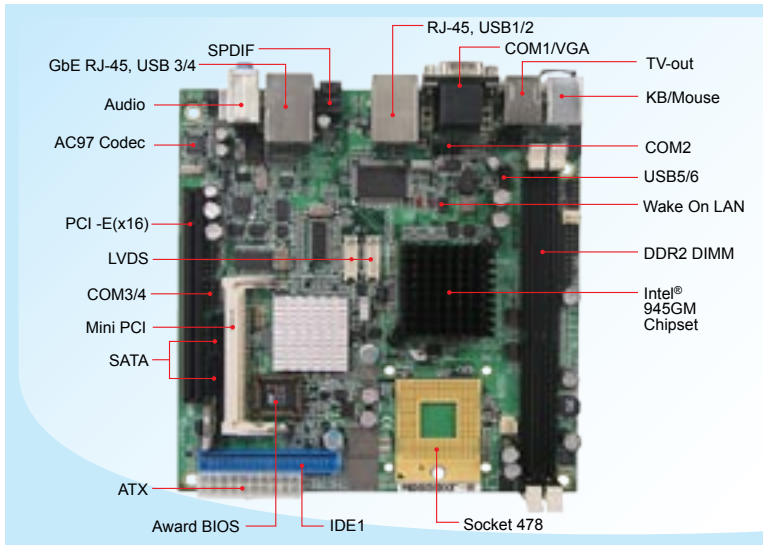
# IPC Motherboards

## MB899X

**NEW**

Socket 478 Intel® Core™2 Duo Mini-ITX Motherboard w/ Mobile Intel® 945GM Express Chipset

Intel® Core™2 Duo-Based



### >> Features

- Supports Intel® Core™2 Duo processors  
Up to 2.33GHz, 533MHz/667MHz FSB
- DDR2 DIMM x 2, Max. 4GB
- Supports CRT, LVDS, optional TV out
- 10/100 BaseT LAN, PCI Express Gigabit LAN
- Watchdog timer, Digital I/O
- 2 x SATA II, 6 x USB 2.0, 4 x COM
- 1 x PCI-E (x16), 1 x Mini PCI, Optional MiniPCle

## System

CPU	Socket 478 Intel® Core™2 Duo / Core™ Duo / Solo processors, up to 2.33GHz
System Memory	DDR2 DIMM x 2, Max. 4GB
System Chipset	Mobile Intel® 945GM Express + ICH7M, 533MHz/667MHz FSB
BIOS	Award
Watchdog Timer	256 levels
SSD	Optional CF socket
H/W Monitor	Yes
Expansion Slot	1 Mini PCI, 1 PCI-E (x16), Optional Mini PCIe

## Graphics

VGA Controller	Intel® Graphics Media Accelerator (GMA) 950, supports CRT, RCA, S-Video and HDTV
VGA Memory	Supports DVMT 3.0; Max. shared memory - 224MB
LCD Interface	Supports 18-bit, single or dual channel LVDS

## Ethernet

Controller	ICH7M integrated 10/100Mbps + PHY 82562ET Marvell 88E8053 PCI-Express Gigabit LAN
Connector	Two RJ-45 on board

## Multi I/O

Chipset	ICH7M, Winbond W83627EHF 1x IDE (UDMA33/66/100), 1x FDD, 1x KB, 1x Mouse 4x RS-232, 2x SATA II (300MB/s)
USB	6 ports on board (USB 2.0)
Audio	Built-in Intel® High Definition Audio + AC97 codec, SPDIF-Out + NS LM4950 amplifier
Others	IrDA, Digital I/O (4-in/4-out)

## Mechanical and Environmental

Dimensions	170mm x 170mm (6.7" x 6.7")
Max. Power Requirement	Core™ Duo 2.0GHz w/ 2GB DDR2 +3.3V: 1.70A +5V: 2.4A +12V: 5.22A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-68°F~176°F)
Relative Humidity	10%~90% (non-condensing)

## Ordering Information

MB899X-R	Socket 478 Intel 945GM Dual Core Mini-ITX motherboard with VGA, 10/100 LAN, 4x COM (RoHS compliant)
MB899XF-R	Socket 478 Intel 945GM Dual Core Mini-ITX motherboard with VGA, 10/100 LAN, 4x COM, Gigabit LAN, CF socket (RoHS compliant)
MB899XM-R	Socket 478 Intel 945GM Dual Core Mini-ITX motherboard with VGA, 10/100 LAN, 4x COM, MiniPCle (RoHS compliant)
MB899XMF-R	Socket 478 Intel 945GM Dual Core Mini-ITX motherboard with VGA, 10/100 LAN, 4x COM, Gigabit LAN, CF socket, MiniPCle (RoHS compliant)

Remarks:

\* Add (-R) after the model name for RoHS-compliant version when ordering.