



# Fanless Mini - IPC for Core Duo CPU's with Dual GB LAN

www.ipc-markt.de



1 PCI Slot



2 or 3 PCI Slots

## Specification

**CPU Socket** Socket 478  
Supports Intel® Core™ Duo /Solo processors  
Up to 2.33GHz

**Chipset** Intel® 945GM chipset ICH7M

**CPU Front Side Bus (FSB)** 533Hz / 667MHz

**BIOS** Award BIOS, ACPI supported

**System Memory**  
Two DDR2 sockets supports up to 4GB DDR SDRAM  
PC400/533/667 DDR SDRAM

**Integrated VGA**  
Intel® 945GM integrated VGA for CRT/TV out  
Supports DVMT 3.0 for memory allocation

**LVDS**  
Intel® 945GM integrated for 18-bit dual channel LVDS  
Optional ID390 with Chronitel 7308 for 24-bit LVDS

**VGA Options**  
Optional single/dual DVI cards with connectors on card or via cable

**Primary LAN**  
ICH7M integrated 10/100 BaseT Ethernet

**Secondary LAN**  
Marvell 88E8053 PCI Express Gigabit Ethernet

**Audio**  
ICH7M integrated audio with AC97 codec  
Onboard NS LM4950 amplifier

**Multi I/O**  
ICH7M, Winbond W83627EHF chipset  
Supports 1x IDE, 2x SATA, 2x RS-232, 1x FDD, 1x KB, 1x Mouse

**PCI Slots**  
**One or two PCI-Slots (with Riser Card)**  
MiniPCI, PCI-E(1), Mini PCIe

**IDE Interface**  
Built in ICH7M; One enhanced IDE channel supports 2 IDE devices; supports UDMA33/66/100

**Serial ATA** Supports 2 ports

**FDD Interface** Onboard slim FDD connector

## FEATURES

### Ultra-Compact Mini-IPC for Intel® Core™ Duo/Solo CPU

- Mini-ITX Board MB-899
- Mobile Intel® 945GM Chipset
- Supports CRT, LVDS, optional TV out or DVI
- Dual LAN - 10/100 BaseT & PCI Express Gigabit LAN
- SATA x 2, USB x 6
- 1 or 2 PCI-Slots (with RiserCard)
- Steel Metalhousing for optimum thermal and electrical protection
- Depth only 215 mm (\*)
- Removable Hard Disk from Frontsite
- Hard Disk and CD-ROM protected against shock & vibration by patented shockabsorbers

**Serial Ports** Two RS-232 ports  
**1394** Supports 2 ports (TI TSB43LV22)

**USB (2.0)**  
Supports 6 USB ports (4 ports + 2 ports via pin header)

**IrDA** by Pin header

**Keyboard and Mouse Connector**  
PS/2 type

**Watchdog Timer**  
Generates system reset; 256 levels

**Hardware Monitoring**  
Built in W83627EHF; monitors system/CPU temperature and voltage status

**Digital I/O** 4 in / 4 out

**Power Supply** : Fanless Internal Power Supply  
110-230 VAC or **12 / 24 VDC**

### Environmental :

Operating Temperature: 0°C~60°

Storage Temperature: -20°C~80°C

Relative Humidity: 5 ..95% noncondensing

**Dimensions** W x H x D(mm) : 225 ( 1/2 x 19") x 90 x 238  
225 x 130 x 238 ( 2/3 PCI-Slots)

**Weight** : 4 KG

**Approval** : CE



Mini-ITX Board MB-899