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MB-899

Core Duo / Core Solo Mini ITX Board



FEATURES

- Socket 478 for Intel® Core™ Duo/Solo CPU
- Mobile Intel® 945GM Chipset
- Two DDR2 DIMM sockets
- Supports CRT, LVDS, optional TV out or DVI
- Dual LAN - 10/100 BaseT & PCI Express Gigabit LAN
- sATA x 2, USB x 6
- Digital I/O, Watchdog timer
- PCI x1, PCI-E (x1) x1, Mini PCI x1, Mini PCIe x1

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 Chrontel 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

IDE Interface

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

FDD Interface

Onboard slim FDD connector

Serial ATA

Supports 2 ports

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

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

Expansion Slot

PCI, MiniPCI, PCI-E(1), Mini PCIe

Edge Connectors

VGA CRT, PS/2 KB/Mouse Mini DIN, two RJ-45, 1394, SPDIF, four USB, RCA, S-Video, COM1

Onboard Connectors/Headers

ATX power, COM2, Digital I/O, slim FDD, IrDA, USB5/6, IDE1, 2x SATA, FAN1/2, LAN Wakeup, LVDS1/2, Line out, Microphone, Speaker, CF socket (solder side), 1394, HDTV

Environmental :

Operating Temperature:
0°C~60°C (32°F~140°F)

Storage Temperature:
-20°C~80°C (-68°F~176°F)

Relative Humidity: 5 ..95% noncond.

Form Factor

Mini-ITX Motherboard

Dimensions

170mm x 170mm

Approval : CE

