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# ADE-6051

## Core2 Duo Mini ITX Board

With dual Display , Triple GigaBit LAN, USB , sATA



## FEATURES

- Socket 478P for Intel® Core2Duo CPU
- Mobile Intel® 965GM Chipset +ICH8M
- Two DDR2 DIMM sockets up to 4 GB
- Supports CRT, LVDS, optional TV out or DVI
- Triple LAN
- PCI Slot
- sATA x 3, USB x 6
- Digital I/O, Watchdog timer

## Specification

**CPU Socket** Socket 478P  
Supports Intel® 2 Core™ Duo Mobile CPU

**Chipset** Intel® 965GM chipset ICH8M

**CPU Front Side Bus (FSB)**  
533Hz / 800 MHz

**BIOS** Award BIOS, ACPI supported

**System Memory**  
Two DDR2 sockets supports up to 4GB DDR SDRAM  
PC533/667 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 Dual Display**  
Optional single DVI cards with connectors on card or via cable

**OnBoard LAN**  
3 x Marvell® 88E8053, 10/100/1000 MB, RJ-45

**Audio**  
Realtek ALC 883 Sound with 7.1+2 CH Audio Interface

**Multi I/O**  
ICH7M, Winbond W83627EHF chipset  
Supports 1x IDE, 3 x SATA, 2x RS-232,  
1 x KB, 1x Mouse

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

**Serial ATA**  
Supports 3 ports

### Serial Ports

Two RS-232 ports

### USB (2.0)

Supports 6 USB ports (4 ports + 2 ports via 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

1 x PCI **Edge Connectors**

VGA CRT, PS/2 KB/Mouse Mini DIN, two RJ-45, 1394, 6 x USB, 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**