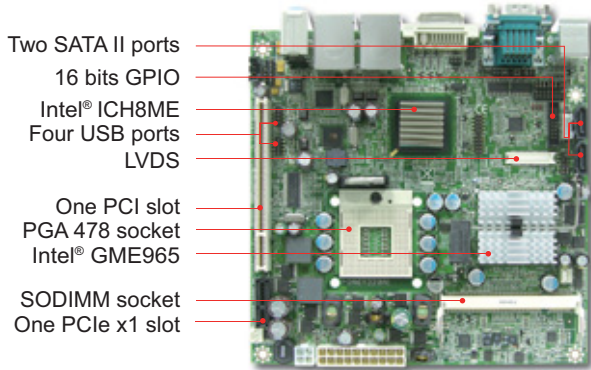
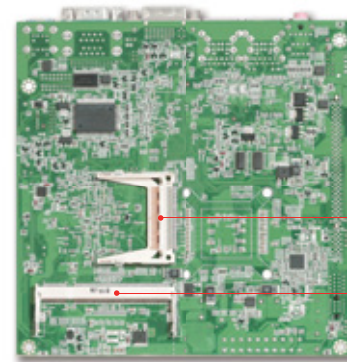
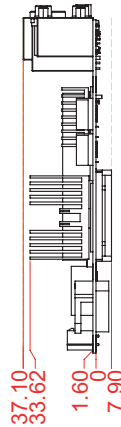


# WADE-8066

Leading Intel® Core™ 2 Duo processor based Mini-ITX Board with DDR2 SDRAM, Dual Displays, Two GbE LAN ports, Audio and USB



- Two SATA II ports
- 16 bits GPIO
- Intel® ICH8ME
- Four USB ports
- LVDS
- One PCI slot
- PGA 478 socket
- Intel® GME965
- SODIMM socket
- One PCIe x1 slot



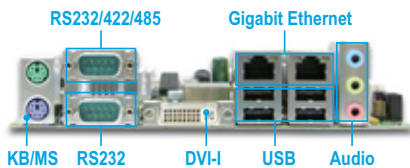
- CF socket
- SODIMM socket

Based on the latest latest mobile Intel® GME965 chipset, the WADE-8066 takes advantage of Intel® Core™ 2 Duo technologies. The graphic media accelerator (GMA) X3100 provides both fast video response time and high quality images. With its display-enriched interface, the WADE-8066 can support various multimedia devices.

## FEATURES

- Intel® Core™ 2 Duo and Celeron® M processor
- Intel® GME965 and ICH8ME chipset
- Two 200-pin SODIMMs support dual channel DDR2 SDRAM up to 4GB
- Dual Display :DVI-I/LVDS/TV-Out, 3rd Display via expansion slot
- One PCI slot and one PCIe x1 slot with PCIe x4 signal

## REAR I/O



## ORDERING GUIDE

AB1-3179	WADE-8066.Mini-ITX ESB.Intel Pentium M-Dual Core..w/DDR SDRAM/VGA/LVDS/Dual Display/Dual GbE/Audio
AA1-3049	PEP-592R.2 Slots Riser Card for Right Expansion. One PCI and One PCI-E x4.For WADE-8066
AA1-3072	PER-4210R.1 Slot Riser Card for Right Expansion. One PCI-E x4.For WADE-8066

## PACKING LIST

One WADE-8066 Mini-ITX Main Board
One Installation CD
One SATA Cable
One I/O shield
One CPU Fan

## GENERAL

Processor	- Intel® Core™ 2 Duo/Celeron® M processor with 2MB L2 Cache in PGA 478 package - FSB 533/800MHz - Supports Enhanced Intel SpeedStep® Technology, Intel® 64 architecture, Execute Disable Bit
Chipset	Intel® 82GME965 Graphics and Memory Controller (13.5W) and ICH8ME
BIOS	Award BIOS
Memory	Supports dual channel up to 4GB DDR2 533/667 MHz SDRAM on two 200-pin SODIMM socket
Storage Devices	- 2x SATA support up to 3.0Gb/s data transfer rate - 1x CompactFlash socket supports Ultra DMA100/66/33 MB/s
Watchdog Timer	Programmable via S/W from 1 sec. to 255 min.
Hardware Monitoring	- System temperature, voltage and cooling fan monitoring - Auto throttling control when CPU overheats
Expansion Interface	- 1x PCI Express x1 slot (Gen 1, 2.5 GT/s) (with PCIe x4 signal) - 1x PCI 32-bit slot

## I/O INTERFACE

Super I/O	Winbond W83627THG
Audio	- Intel® GM45 built-in High Definition Audio up to 192-kHz 24-bit - Realtek ALC883-GR, 5.1 channels - Audio Jack DIP Light Pink/Lime/Light Blue
Ethernet	Intel® 82566MM and Marvell 88E8053 Dual Gigabit Ethernet controllers
Serial Port	- 1x RS232 port on rear I/O - 1x RS232/422/485 selectable port on rear I/O
USB	- 4x USB 2.0 ports on rear I/O - 4x USB 2.0 ports on board with header - 480 Mb/s bus is capable of high-speed/full-speed/low-speed data ranges
Keyboard & Mouse	1x PS/2 Keyboard & Mouse on rear I/O
GPIO	On board programmable 16-bit Digital I/Os

## DISPLAY

Graphic Controller	- Intel® GME965 Integrated GMA X3100 Graphics device supports hardware acceleration of video decoding standards such MC - Intel® Dynamic Video Memory Technology (Intel® DVMT 4.0)
Display Interface	- VGA: dual channel 24-bit VGA, analog resolution up to 2048x1536 (QXGA) - DVI: dual channel 24-bit DVI, Digital DVI resolution up to 1600x1200 (UXGA) - LVDS: dual channel 24-bit LVDS

## Mechanical & Environment

Dimension	170(L) x 170(W)mm; 6.69"(L) x 6.69"(W)
Power Supply	-Typical: +12V(System)@2.59A; +5V@2.96A; +3.3V@1.31A -Supports ATX mode
Environment	- Operation Temperature: 0°C to 55°C - Relative Humidity: 0% to 90%, non-condensing
MTBF	Over 120,000 hours at 40°C

