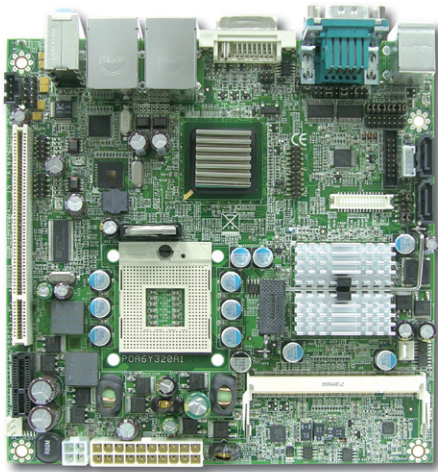# WADE-8066

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

FEATURES

- Intel® Core™ 2 Duo and Celeron® M processor
- Intel® GME965 and ICH8ME chipset
- Two 200pin SO-DIMMs 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 PCI-E x 1 slot with PCI-E x 4 signal

Built with Intel® latest mobile chipset GME965, WADE-8066 takes advantage of Intel® Core™ 2 Duo technologies. The graphic media accelerator X3100 provides both fast video response time and high quality images via the two-channel memory architecture. WADE-8066 supports dual display by VGA, DVI, LVDS and TV-Out. With its display-enriched interface, WADE-8066 can support various multimedia devices.

SYSTEM

CPU	Intel® Core™ 2 Duo and Intel® Celeron® M processor (Socket P)
FSB	FSB 800/533 MHz
BIOS	Award BIOS
System Chipset	Intel® GME965 and ICH8ME Chipset
System Memory	Two 200pin SO-DIMMs support dual channel DDR2 SDRAM up to 4GB
Storage	2 x Serial ATA connector high-speed data transfers at up to 3 Gb/s
SSD	1 x Compact Flash
Watchdog Timer	Reset; 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	Monitoring system temprature, voltage, and cooling fan status. Auto throttling control when CPU overheats
GPIO	On-board programmable 16 Digital I/O interface
Expansion	One PCI slot and One PCI-E x 1 slot (with PCI-E x 4 signal)

I/O

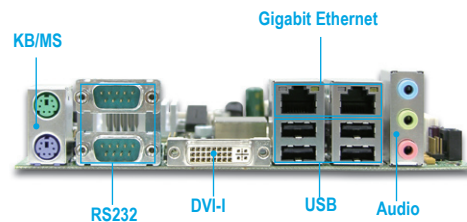|	
MIO	1 x RS232, 1 x RS232/422/485 selectable, 1 x K/B, 1 x Mouse
IrDA	IrDA 1.0
USB	4 x USB 2.0 ports and 4 x USB 2.0 with header
Audio Interface	Mic in, Line in, Line out, High Definition Audio 5.1 channel
Ethernet Interface	IEEE 802.3 10/100/1000BASE-T Gigabit Ethernet compliant (Intel® 82566MM and Marrell 8053)

DISPLAY

Chipset	Intel® GME965 Integrated GMA x3100 Graphics device
Display Memory	Intel® DVMT 4.0 supports up to 384 MB video memory
Resolution	Analog Display: Up to 2048 x 1536 (QXGA) Digital DVI Display: Up to 1600 x 1200 (UXGA)
Multi Display	24-bit, dual Channel LVDS / TV-out / VGA / DVI (Silicon Image Sil 1362)

MECHANICAL & ENVIRONMENTAL

Power Requirement	+12V(System) @ 2.59A; +5V @ 2.96A; +3.3V @ 1.31A
Operating Temperature	0~55°C
Operating Humidity	0%~90% relative humidity, noncondensing
Size (L x W)	6.69" x 6.69" (170 mm x 170 mm)
Weight	0.94 lbs (0.43 Kg)

REAR I/O

ORDERING GUIDE

- **WADE-8066**
  Intel® Core™ 2 Duo and Celeron® M processors Main Board with DVI, Audio, GbE LANs, 8 x USB 2.0
- **PEP-581R/582R**
  One/Two slots PCI riser card
- **PEP-592R**
  One PCI and one PCI-E x4 slot riser card
- **PER-4210R**
  One slot PCI-E x4 riser card
- **B9970540**
  1U active heatsink