

# WADE-8056

Leading Intel® Core 2 Duo/ Core 2 Quad processor based Mini-ITX Board with Dual Display and One GbE



## FEATURES

- Intel® Core™ 2 Duo/ Core™ 2 Quad processors
- Intel® Q965 GMCH Chipset
- Max. 4GB memory, DDR2 SDRAM
- Dual Display by VGA/LVDS
- One GbE LAN ports and one PCI slot
- Max. four COM and six USB 2.0 ports
- Support Intel® Active Management Technology 2.0

The WADE-8056 is an advanced mini-ITX embedded system board (ESB) that takes advantage of Intel® Core 2 Duo technologies. With its GPIO, WADE-8065 offers robust computing power and reliability for embedded applications that need a digital control interface. Dual video outputs can drive

two displays simultaneously at a high speed, while maintaining superior image quality. The expansion slots, based on PCI technologies and support up to two PCI slots, which provide the highly flexibility necessary for functional expansion.

### SYSTEM

CPU	Intel® Core 2 Duo/ Core 2 Quad and Pentium® 4 / Celeron® D
FSB	FSB 1066/800/533 MHz
BIOS/AMT	Award BIOS / Intel® Active Management Technology (AMT 2.0)
System Chipset	Intel® Q965 GMCH & 82801HB ICH8DO
System Memory	2 x 240-pin dual channel DDR2 SDRAM DIMM 533/667/800 MHz supports up to 4 GB
Storage	4 x Serial ATA connector high-speed data transfers at up to 3 Gb/s
Watchdog Timer	Reset; 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	Monitoring system temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats
GPIO	On-board programmable 8-bit Digital I/O interface
Expansion	1 x PCI slot; 1 x Mini-PCI

### I/O

MIO	4 x RS-232, 1 x K/B, 1 x Mouse, 1 x GbE
IrDA	N/A
USB	2 x USB 2.0 ports and 4 x USB 2.0 with header
Audio Interface	Mic in, Line in, Line out
Ethernet Interface	IEEE 802.3 10/100/1000BASE-T Gigabit Ethernet compliant

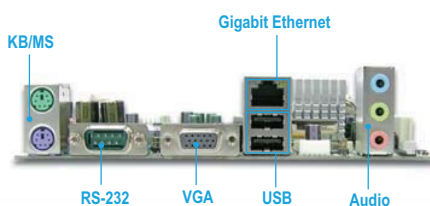
### DISPLAY

Chipset	Intel® Q965 GMCH Integrated GMA 3000 Graphics device
Display Memory	Intel® DVMT 4.0 supports up to 384 MB video memory
Resolution	Analog Display Port : QXGA 2048 x 1536@75HzLCD/Digital Display : Flat panels up to 2048x1536@60 Hz or digital CRT/ HDTV at 1920x1080@85Hz
VGA/LCD Interface	Intel® Graphics Gen4 Media Accelerator GMA 3000, and supports widescreen LCD displays and accelerated DirectX® 9.0c
LVDS	1 x 24-bit

### MECHANICAL & ENVIRONMENTAL

Power Requirement	TBD
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-8056**  
Intel® LGA775 Intel® Core™ 2 Duo Core™ 2 Quad and Pentium® 4 / Celeron® D processors Main Board with VGA, Audio, Dual GbE LANs, 6 USB 2.0
- **1U Heat Sink**  
Copper made heat sink to expire the system heat with 40 CFM fans
- **PEP-571R/572R**  
One/Two slots riser card