

# WADE-8556

Leading Intel® Core™ 2 Quad processor based Mini-ITX Board with Dual Displays and One GbE



## FEATURES

- Intel® Core™ 2 Quad processors
- Intel® Q965 GMCH Chipset
- Dual Display by VGA/DVI
- One GbE LAN ports, one PCI and one Mini-PCI slot
- Max. four COM and six USB 2.0 ports

The WADE-8556 is an advanced mini-ITX embedded system board (ESB) that takes advantage of Intel® Core 2 Quad technologies. With its Mini-PCI slot, WADE-8556 offers the availability of an extra wireless LAN card which is suitable for Kiosk application. VGA & DVI dual video output can

drive two displays simultaneously, especially suitable for Digital Signage usage. 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 Quad / Core 2 Duo and Pentium® 4/Celeron® D processor
FSB	FSB 1066/800/533 MHz
BIOS	Award BIOS
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

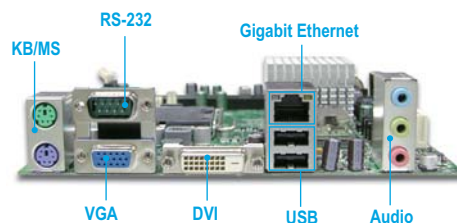
### DISPLAY

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 : Up to 2048 x 1536 (QXGA) Digital DVI Display : Up to 1600 x 1200 (UXGA)
VGA/LCD Interface	Intel® Graphics Gen4 Media Accelerator GMA 3000, and supports widescreen LCD displays and accelerated DirectX* 9.0c
DVI	DVI-D interface

### MECHANICAL & ENVIRONMENTAL

Power Requirement	+5V@5.1A; +12V(CPU)@2.8A; +12V(system)@0.7A; +3.3V@4.4A
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-8556**  
Intel® Core™ 2 Quad / Core™ 2 Duo and Pentium® 4 / Celeron® D processors Main Board with VGA, Audio, GbE LANs, 6 USB 2.0
- **EZCool**  
Compact 1U active heatsink suitable for Intel® Core™ 2 Duo processor (blow 65W)
- **PEP-581R/582R**  
One/Two slots riser card
- **B6901960**  
1 port COM cable with bracket
- **B6901970**  
2 ports USB cable with bracket