

WADE-8656

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



The WADE-8656 is an advanced mini-ITX embedded system board (ESB) that takes advantage of Intel® Core 2 Quad technologies. With its PCI-E x 16 slot, WADE-8656 gets the availability of extra graphic card which can offer powerful graphic processing ability and

suitable for Gaming application. Six SATA Ports enrich the system capacity, especially suitable for Storage usage. Two Gigabit Ethernet ports provide high performance for networking transmission.

FEATURES

- Intel® Core™ 2 Quad processors
- Intel® Q965 GMCH Chipset
- Six SATA ports support
- Two GbE LAN ports, one PCI-E x 16 slot
- Max. two COM and eight USB 2.0 ports
- Support SATA RAID 0, 1, 5, 10

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	6 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	One PCI-E x 16 slot

I/O

MIO	1x RS-232, 1 x RS-232/422/485 selectable, 1 x K/B, 1 x Mouse, 2 x GbE
IrDA	N/A
USB	4 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

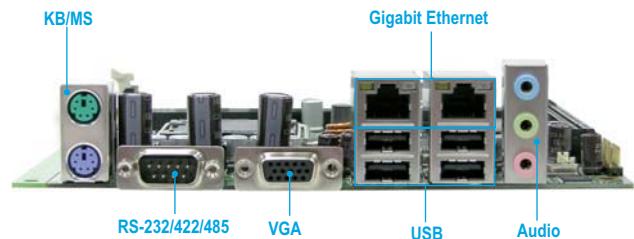
DISPLAY

Chipset	Intel® Q965 GMCH Integrated GMA 3000 Graphics device
Display Memory	Intel® DVM 4.0 supports up to 384 MB video memory
Resolution	Analog Display : Up to 2048 x 1536 (QXGA)
VGA/LCD Interface	Intel® Graphics Gen4 Media Accelerator GMA 3000, and supports widescreen LCD displays and accelerated DirectX* 9.0c

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-8656**
Intel® Core™ 2 Quad / Core™ 2 Duo and Pentium® 4 / Celeron® D processors Main Board with VGA, Audio, GbE LANs, 8 USB 2.0
- **EZCool**
Compact 1U active heatsink suitable for Intel® Core™ 2 Duo processor (blow 65W)
- **B6901960**
1 port COM cable with bracket
- **B6901970**
2 ports USB cable with bracket



Please note:

* Specifications are subject to change without notice.

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