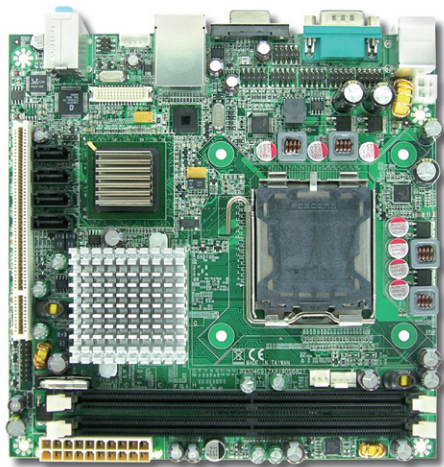




WADE-8056

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
- 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
- RAID 0/1/5/10

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-8056 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 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 RS232, 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 (Intel® 82566DM)

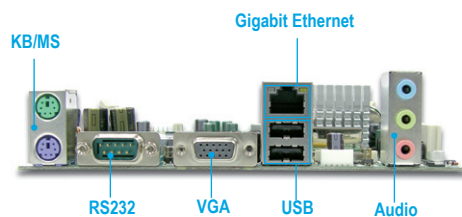
DISPLAY

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 LVDS Display: Up to 1920 x 1200
LVDS	Dual Channel 24-bit

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-8056**
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 PCI riser card
- **PEP-582L**
Two slots PCI riser card