

WADE-8180

Leading Intel® Core™ 2 Quad / Core™ 2 Duo Processor based Mini-ITX embedded board with Dual Display, Dual Gigabit Ethernet, SATA, COM and USB



FEATURES

- Intel® Core™ 2 Quad / Core™ 2 Duo processor Intel® Q45 Express and ICH10DO chipset
- Two 240-pin DIMM sockets support dual channel DDR3 SDRAM up to 4GB
- Dual display: VGA / DVI-D, 3rd display via PCI-Express x16 slot
- Four SATA ports
- Two GbE LAN ports and One PCI-E x16 slot
- RAID 0 / 1 / 5 / 10
- TPM 1.2 and iAMT 5.0 supported

SYSTEM

CPU	Intel® Core™ 2 Quad / Core™ 2 Duo processor (LGA 775)
FSB	1333/1066/800 MHz
BIOS	AMI BIOS
System Chipset	Intel® Q45 Express and ICH10DO chipset
System Memory	Two 240-pin DIMM sockets support dual channel 800/1066MHz DDR3 SDRAM up to 4GB
Storage	4 x SATA-300
Watchdog Timer	Reset; 1 sec. ~255 min. and 1 sec. or 1 min./step
H/W Monitor	Monitoring CPU and system temperature, voltage and cooling fan status
GPIO	Onboard programmable 8-bit Digital I/O interface (4 input / 4 output)
Expansion	One PCI-Express x16 Slot

MECHANICAL & ENVIRONMENTAL

Power Requirement	TBD
Operating Temperature	0~60°C
Operating Humidity	10%~90%, noncondensing
Dimension	6.69" x 6.69" (170mm x 170mm)

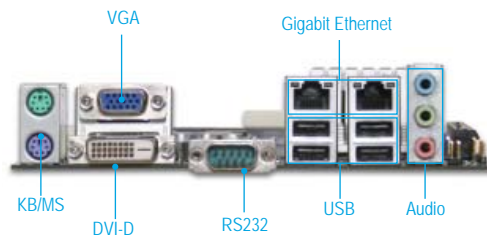
I/O

MIO	1 x D-SUB 15-pin & 1 x D-SUB 24-pin connector, 2 x RS232 ports, 1 x K/B & Mouse
IrDA	N/A
USB	4 x USB 2.0 ports and 4 x USB 2.0 ports with header
Audio Interface	Line out, Line-in and Mic-in
Ethernet Interface	IEEE 802.3 10/100/1000BASE-T Gigabit Ethernet compliant

DISPLAY

Chipset	Intel® Q45 Integrated Intel® Gen 5.0 GMA 4500 Graphics
Display Memory	Intel® Dynamic Video Memory Technology (Intel® DVMT 5.0)
Resolution	Up to 2048 x1536 @ 75 Hz (QXGA)
DVI	DVI-D interface

REAR I/O



SOLDER SIDE



ORDERING GUIDE

- **WEDE-8180**
Intel® Core™ 2 Quad / Core™ 2 Duo processor Mini-ITX Motherboard