

WADE-8046

Intel® Core™ 2 Duo processor based Mini-ITX Board with DDR2 SDRAM, VGA / LVDS / DVI, Gigabit Ethernet, Audio and USB



FEATURES

- Intel® Core™ 2 Duo / Core™ Duo / Celeron® M processor
- Intel® 945GME and ICH7-M chipset
- Two 200-pin SO-DIMM support dual channel DDR2 SDRAM up to 4GB
- Dual display: VGA / LVDS / DVI, 3rd display via PCI-Express graphic card
- One Compact Flash socket & high definition audio

WADE-8046 is a high performance Mini-ITX embedded board for applications that need dual channel DDR2 memory, two Gigabit Ethernet ports, one expansion PCI-Express x1 slot and one Mini PCI-Express socket. Built in Intel® 945GME and ICH7-M chipset, it takes advantage of Intel® Core™ 2 Duo / Core™ Duo /

Celeron® M processor. WADE-8046 can provide triple display for diversity applications such as Lottery, Medical, Gaming and Digital Signage.

SYSTEM	
CPU	Intel® Core™ 2 Duo / Core™ Duo / Celeron® M processor
FSB	533/667MHz
BIOS	Award BIOS
Chipset	Intel® 945GME GMCH and ICH7-M
System Memory	Two 200pin DIMMs support dual channel DDR2 SDRAM up to 4GB
Storage	- 2 x SATA - 1 x 44 pin IDE connector - 1 x CF socket , share the same channel with IDE and support UDMA
Watchdog Timer	Programmable via S/W from 1sec. to 255min.
H/W Monitor	FAN Speed(CPU and System), Temperature(CPU and System), Voltage, Case open function
GPIO	Onboard programmable 8-bit Digital I/Os
Expansion	1 x PCI-Express x1 slot, 1 x Mini PCI-Express socket

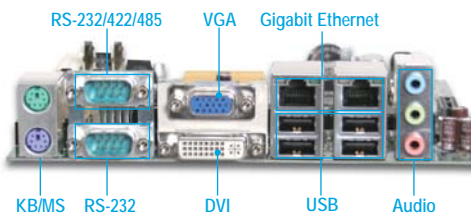
DISPLAY	
Graphic Controller	- Intel® 945GME GMCH Integrated - Intel® GMA 950 graphics
Graphic Memory	Intel® DVMT 3.0 share system memory up to 224MB
Display Interface	-One VGA (rear panel) -One DVI (rear panel) -One 18bit LVDS

MECHANICAL & ENVIRONMENTAL	
Operating Temperature	0-60°C
Storage Temperature	-20-80°C
Operating Humidity	5-95% non-condensing
Dimension	170mm x 170mm

On Board I/O	
MIO	Two RS232 ports, one Parallel port
USB	Two USB 2.0 ports
Others	One 8bit GPIO pin header, one CD-In pin header

Rear I/O	
Serial Port	One RS-232 port, one RS232/422/485 port
Display	One VGA, one DVI
Gigabit Ethernet	Two RJ-45 LAN ports
USB	Four USB 2.0 ports
Audio Interface	Line-out , Line-in and Mic-in

REAR I/O



ORDERING GUIDE

■ WADE-8046

Intel® Core™ 2 Duo / Core™ Duo / Celeron® M processors Mini-ITX Board



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