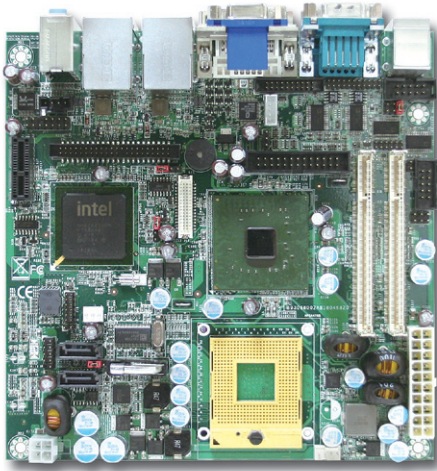


WADE-8046

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-DIMMs support dual channel DDR2 SDRAM up to 4GB
- Dual display: VGA / LVDS / DVI, 3rd display via PCI-Express x1 graphic card
- One PCI-Express x1 expansion slot and one Mini PCI socket
- 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 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	533/667 MHz
BIOS	Award BIOS
System Chipset	Intel® 945GME GMCH and ICH7-M
System Memory	Two 200pin SO-DIMM support dual channel DDR2 SDRAM up to 4GB
Storage	- 2 x SATA - 1 x 44 pin IDE connector
SSD	1 x Compact Flash share the same channel with IDE and support UDMA
Watchdog Timer	Programmable via S/W from 1sec. to 255min
H/W Status 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 socket

I/O

MIO	Two RS232 ports, one Parallel port
IrDA	N/A
USB	4 x USB 2.0 ports and 2 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 (Realtek 8111C)

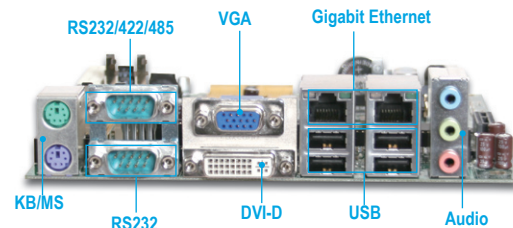
DISPLAY

Chipset	- Intel® 945GME GMCH Integrated - Intel® GMA 950 graphics
Display Memory	Intel® DVM 3.0 supports up to 224MB video memory
Resolution	Analog Display: Up to 2048 x 1536 (QXGA) Digital LVDS: Up to 1600 x 1200 (UXGA) Digital DVI: Up to 1600 x 1200 (UXGA)
Multi Display	Dual Channel 18-bit LVDS / VGA / DVI (Chrontel CH7307)

MECHANICAL & ENVIRONMENTAL

Power Requirement	+12V(CPU) @ 1.33A; +12V(System) @ 0.33A; +5V @ 1.74A; +3.3V @ 0.72A
Operating Temperature	0~60°C
Storage Temperature	-20~80°C
Operating Humidity	5~95% non-condensing
Size (L x W)	6.69" x 6.69" (170 mm x 170 mm)

REAR I/O



※DVI-I connector support DVI-D signal only

ORDERING GUIDE

- **WADE-8046**
Intel® Core™ 2 Duo / Core™ Duo / Celeron® M processors Mini-ITX Board
- **PEP-5B1X1**
One PCI-E x1 riser card
- **B9970542**
Active cooler