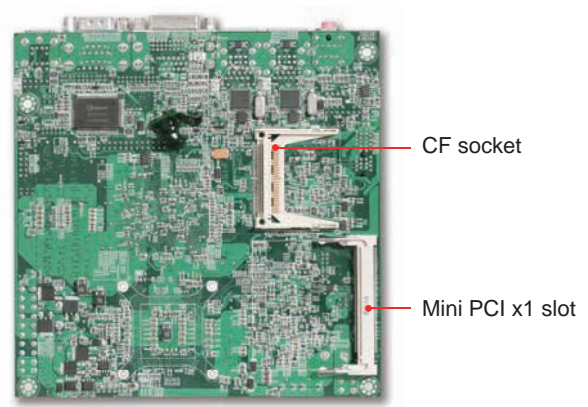
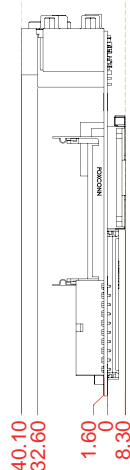
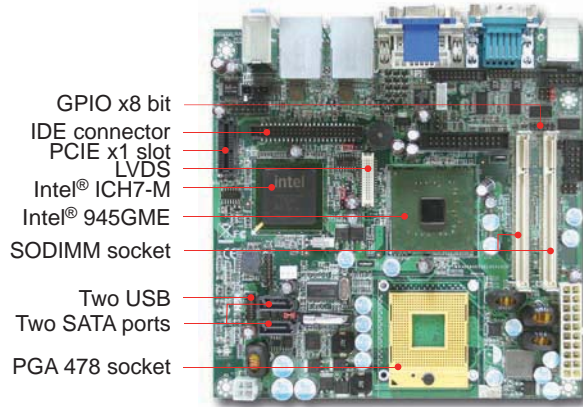


WADE-8046

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

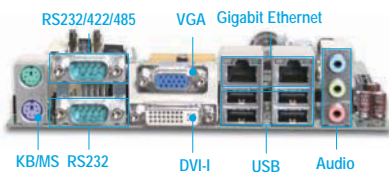


WADE-8046 is a high performance Mini-ITX embedded board for applications and this model takes advantage of Intel® Core™ 2 Duo / Core™ Duo / Celeron™ M processor. WADE-8046 can provide triple displays for diversity applications such as Lottery, Medical, Gaming and Digital Signage.

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 x 1 expansion slot and one Mini PCI socket
- One Compact Flash socket & high definition audio

REAR I/O



ORDERING GUIDE

AB1-3176	WADE-8046.Mini-ITX.mPGA479 socket.Single. ESB.w/VGA/LVDS/DVI/Dual Giga-bit LAN/Audio
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PACKING LIST

One WADE-8046 Mini-ITX Main Board
One Installation CD
One IDE Cable
One IO shield
One CPU Fan

GENERAL

Processor	- Intel® Core™ 2 Duo / Core™ Duo/ Celeron® M processor in PGA 478 package - FSB 533/667MHz - Support Enhanced Intel SpeedStep® Technology, Intel® 64 architecture, Execute Disable Bit
Chipset	Intel® 82945GME Graphics and Memory Controller (7W) and ICH7M
BIOS	Award BIOS
Memory	Support dual channel up to 4GB DDR2 533/ 667 MHz SDRAM on two 200-pin SODIMM socket
Storage Devices	- 2x SATA support up to 3.0Gb/s data transfer rate - 1x 44pin IDE connector connector supports Ultra DMA100/66/33 MB/s - 1x Compact Flash socket supports Ultra DMA100/66/33 MB/s
Watchdog Timer	Programmable via S/W from 1 sec. to 255 min.
Hardware Monitoring	FAN Speed (CPU & System), Temperature (CPU & System), Voltage, Case open function
Expansion Interface	- 1x PCI Express x1 slot (Gen1, 2.5GT/s) - 1x Mini PCI socket

I/O INTERFACE

Super IO	Winbond W83627UHG
Audio	- Intel® 945GME built-in High Definition Audio up to 96-kHz 24-bit - Realtek ALC662-GR, 5.1 channels - Audio Jack DIP Light Pink/Lime/Light Blue
Ethernet	Realtek 8111C dual gigabit ethernet controllers
Serial Port	- 1x RS232 on rear IO - 1x RS232/422/485 selectable port on rear IO
USB	- 4x USB 2.0 ports on rear IO - 2x USB 2.0 ports on board with header - 480 Mb/s bus comprehends the high-speed / full-speed / low-speed data ranges
Keyboard & Mouse	1x PS/2 Keyboard & Mouse on rear IO
GPIO	Onboard programmable 8-bit Digital I/Os
Other	1x parallel port on board box header

DISPLAY

Graphic Controller	- Intel® 945GME GMCH Integrated Graphics Media Accelerator (GMA) 950 supports hardware acceleration of video decode standards MC - Intel® Dynamic Video Memory Technology (Intel® DVMT 3.0)
Display Interface	- VGA: dual channel 18-bit VGA, analog resolution up to 2048x1536 (QXGA) - LVDS: dual channel 18-bit LVDS, Digital LVDS resolution up to 1600x1200 (UXGA) - DVI: dual channel 18-bit DVI, Digital DVI resolution up to 1600x1200 (UXGA)

Mechanical & Environment

Dimension	170(L) x 170(W) mm; 6.69"(L) x 6.69"(W)
Power Supply	-Typical: +12V(CPU)@1.33A;+12V@0.33A;+5V@1.74A;+3.3V@0.72A -Support ATX mode
Environment	- Operation Temperature: 0°C to 60°C - Storage Temperature: -20~80 °C - Relative Humidity: 5% to 95%, non-condensing
MTBF	Over 120,000 hours at 40°C

