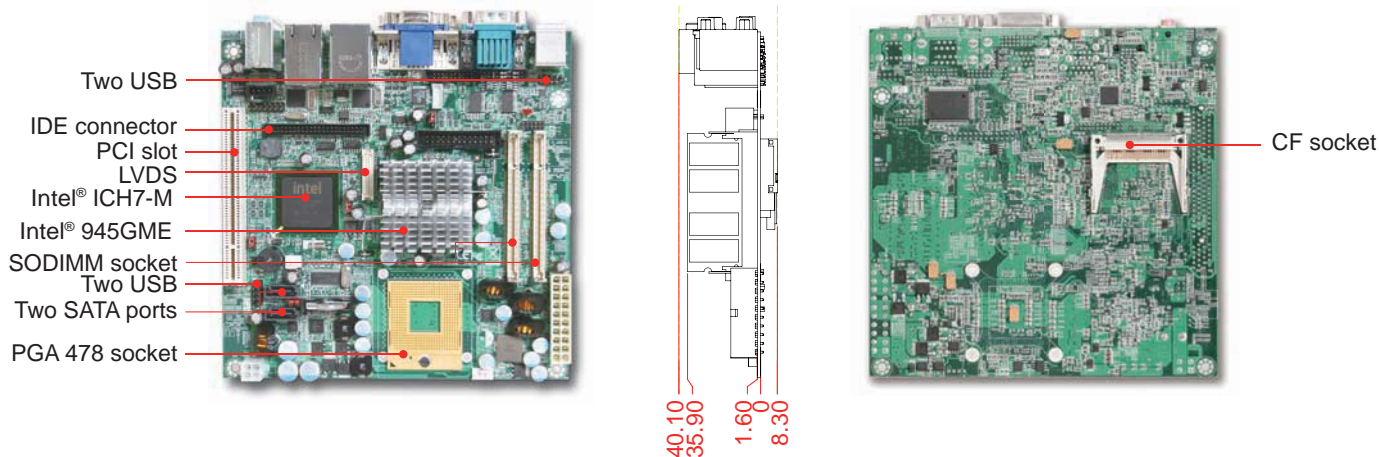


WADE-8065

Network Enriched Intel® Core™ 2 Duo Processor based Mini-ITX Board with Dual Displays, Three GbE LAN ports, Audio and USB



WADE-8065 is a network bandwidth-enriched solution. With a low power consumption mobile processor, it not only provides more than adequate computing power, but also eliminates most heat issue. Dual video outputs are supported by two-channel memory structure that enhances graphic performance. Three GbE LAN ports provide the wide bandwidth necessary for communication or network related applications. WADE-8065 is the preferred choice where high price/performance ratio is a criterion.

FEATURES

- Intel® Core™ 2 Duo / Core™ solo / Core™ Duo and Celeron® M processors
- Intel® 945GME and ICH7-M Chipset
- Two 200-pin SO-DIMMs support dual channel DDR2 SDRAM up to 4GB
- Dual Display: VGA / DVI / LVDS, 3rd Display via expansion slot
- Three Intel® Gigabit Ethernet

REAR I/O



ORDERING GUIDE

AB1-3203	WADE-8065.Mini-ITX ESB.Intel Pentium M-Dual Core.w/DDR SDRAM/VGA/LVDS/DVI/Dual Display/GbE/Audio
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PACKING LIST

One WADE-8065 Mini-ITX Main Board
One Installation CD
One IDE Cable
One IO shield
One CPU Fan

GENERAL

Processor	- Intel® Core™ 2 Duo / Core™ Duo / Core™ Solo / 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 400/533/667 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 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 32bit slot

I/O INTERFACE

Super IO	Winbond W83627THG
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	Intel® 82574L triple gigabit ethernet
Serial Port	- 1x RS232 port on rear IO - 1x RS232/422/485 selectable port on rear IO
USB	- 2x USB 2.0 ports on rear IO - 4x 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
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 through Chronitel CH7307

Mechanical & Environment

Dimension	170(L) x 170(W) mm; 6.69"(L) x 6.69"(W)
Power Supply	-Typical: +12V(CPU)@1.16A;+12V@0.32A;+5V@1.58A;+3.3V@0.74A -Support ATX mode
Environment	- Operation Temperature: 0°C to 55°C - Relative Humidity: 0% to 90%, non-condensing
MTBF	Over 120,000 hours at 40°C

