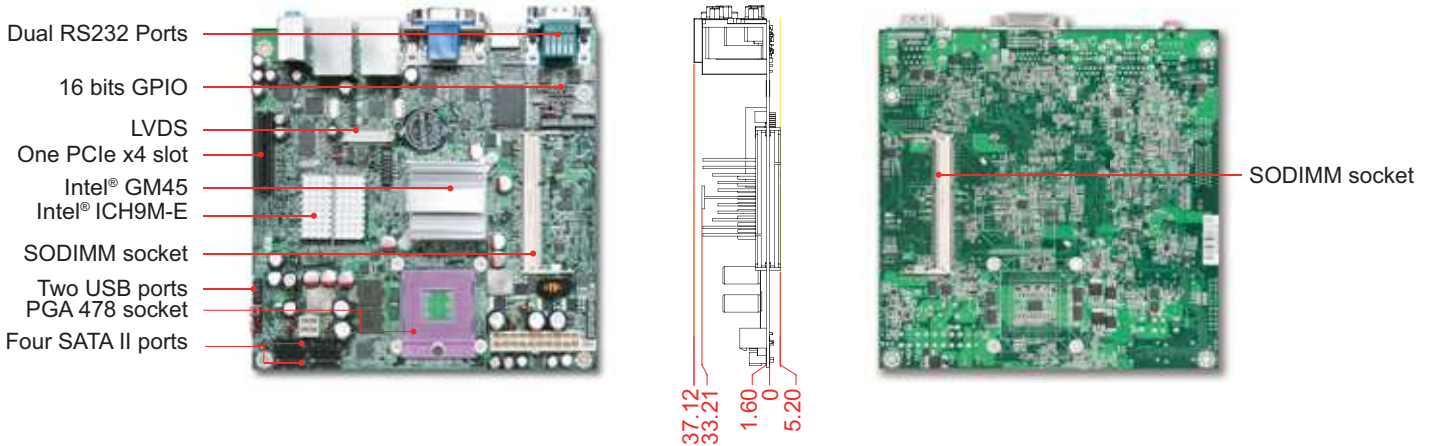


WADE-8067

Leading Intel® 45nm Core™ 2 Duo processor or Celeron® M processor based Mini-ITX with DDR3 SDRAM, HDMI, Dual Gigabit Ethernet, Audio and USB

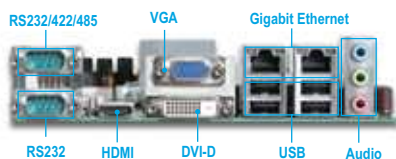


Built with the latest mobile Intel® GM45 Express chipset, the WADE-8067 takes advantage of Intel® Core™ 2 Duo technologies which have high performance and excellent power management features. In addition, its display-enriched interface can support various multimedia devices. The WADE-8067 is an industrial-grade embedded Mini-ITX motherboard ideal for POS, Lottery, Medical, Gaming, DVR, Digital Signage and Kiosk applications.

FEATURES

- Intel® Core™ 2 Duo/Celeron® M processors
- Intel® GM45 and ICH9M-E Chipset
- Two SODIMMs support dual channel DDR3 SDRAM up to 8GB
- Dual Display: VGA/DVI/HDMI/LVDS/TV-out, 3rd Display via PCI-Express graphic card
- Support Intel® Active Management Technology 4.0
- Integrated latest Trusted Platform Module (iTPM)

REAR I/O



ORDERING GUIDE

AB1-3164	WADE-8067PE.Mini-ITX ESB.Socket Type.Intel Core 2 Duo(Penryn).w/VGA/DVI/HDMI/Dual GbE/Audio/PCIEx1
AA1-3086	PEP-5A1X1.Slot Riser Card for Right Expansion. One PCI-E x4 Slot.For WADE-8067

PACKING LIST

One WADE-8067 Mini-ITX Main Board
One Installation CD
One SATA Cable
One I/O shield
One CPU Fan

GENERAL

Processor	- Intel® Core™ 2 Duo/Celeron® M processor with 2MB L2 Cache in PGA 478 package - FSB: 667/800/1066MHz - Supports Enhanced Intel SpeedStep® Technology, Intel® 64 architecture, Execute Disable Bit
Chipset	Intel® 82GM45 Graphics and Memory Controller Hub (12W) and ICH9M-E
BIOS	AMI Core 8 BIOS
Memory	Supports dual channel up to 8GB DDR3 800/1066 MHz SDRAM on two 204-pin SODIMM socket
Storage Devices	- 4x SATA support up to 3.0Gb/s data transfer rate - RAID 0,1,5,10
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 x4 slot (Gen 1, 2.5 GT/s)

I/O INTERFACE

Super I/O	Winbond W83627THG
Audio	- Intel® GM45 built-in High Definition Audio up to 192-kHz 32-bit - Realtek ALC262-VC2-GR, 2.1 channels - Audio Jack DIP Light Pink/Lime/Light Blue
Ethernet	Intel® 82567 and Intel® 82574L Dual Gigabit Ethernet controller
Serial Port	- 1x RS232 port on rear I/O - 1x RS232/422/485 selectable port on rear I/O
USB	- 4x USB 2.0 ports on rear I/O - 2x USB 2.0 ports on board with header - 480 Mb/s bus is capable of high-speed/full-speed/low-speed data ranges
Keyboard & Mouse	1 x PS/2 Keyboard & Mouse on board
GPIO	On board programmable 8-bit Digital I/Os
Other	1x TV out header

DISPLAY

Graphic Controller	- Intel® GM45 GMCH Integrated Graphics Media Accelerator (GMA) 4500MHD supports full hardware acceleration of video decoding standards MPEG-2, AVC - Intel® Dynamic Video Memory Technology (Intel® DVMT 5.0)
Display Interface	- VGA: analog resolution up to 2048x1536 - DVI: digital DVI resolution up to 1600x1200 - LVDS: dual channel 24-bit LVDS - HDMI: resolution up to 1920x1200

Mechanical & Environment

Dimension	170(L) x 170(W)mm; 6.69"(L) x 6.69"(W)
Power Supply	- Typical: +12V(CPU)@0.53A; +12V(System)@0.2A; +5V@1.96A; +3.3V@0.16A - Supports ATX mode
Environment	- Operation Temperature: 0°C to 60°C - Storage Temperature: -20°C to 80°C - Relative Humidity: 5% to 95%, non-condensing
MTBF	Over 120,000 hours at 40°C

