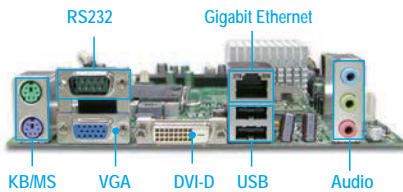


WADE-8556 is an advanced mini-ITX embedded system board that takes advantage of Intel® Core™ 2 Quad technologies. With its Mini-PCI slot, WADE-8556 offers the availability of an extra wireless LAN card which is suitable for Kiosk application. Its VGA and DVI dual video outputs can drive two displays simultaneously making it especially suitable for Digital Signage. The expansion slots are based on PCI technologies and support up to two PCI slots providing high flexibility necessary for functional expansion.

FEATURES

- Intel® Core™ 2 Quad processor
- Intel® Q965 GMCH and ICH8DO Chipset
- Dual Display by VGA/DVI
- One GbE LAN port, one PCI and one Mini-PCI slot
- Max. four COM and six USB 2.0 ports
- RAID 0, 1, 5, 10

REAR I/O



ORDERING GUIDE

AB1-3073	WADE-8556.Mini-ITX ESB.Intel P4-Dual Core.w/ DDR SDRAM/VGA/DVI/Dual Display/GbE/Audio
AA1-3027	PEP-581R, 1 Slot Riser Card for Right Expansion.1xPCI.

PACKING LIST

One WADE-8556 Mini-ITX Main Board
One Installation CD
One SATA Cable
One I/O shield
COM Cable

GENERAL

processor	- Intel® Core™ 2 Duo/Core™ 2 Quad/Pentium® 4/Celeron® D processor up to 3 GHz (65W) with 6MB L2 Cache in LGA775 package - FSB 1066/800/533 MHz - Supports Enhanced Intel SpeedStep® Technology, Intel® 64 architecture, Execute Disable Bit
Chipset	Intel® 82Q965 Graphics and Memory Controller (28W) and ICH8DO
BIOS	Award BIOS
Memory	Supports dual channel up to 4GB DDR2 800/667/533 MT/s SDRAM on two 240-pin DIMM socket
Storage Devices	4x SATA support up to 3.0Gb/s data transfer rate
Watchdog Timer	Programmable via S/W from 1 sec. to 255 min.
Hardware Monitoring	FAN Speed (CPU & System), Temperature (CPU & System), Voltage
Expansion Interface	- 1x PCI 32-bit Slot (Supports PCI Rev 2.3 specification at 33 MHz) - 1x Mini-PCI socket (Supports PCI Rev 2.3 specification at 33 MHz)

I/O INTERFACE

Super I/O	Winbond W83627HG
Audio	- Intel® Q965 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® 82566DM Gigabit Ethernet controller
Serial Port	- 1x RS232 port on rear I/O - 3x RS232 with on board pin headers
USB	- 2x USB 2.0 ports on rear I/O - 4x USB 2.0 ports on board with two headers - 480 Mb/s bus capable of high-speed/full-speed/low-speed data ranges
Keyboard & Mouse	1x PS/2 Keyboard & Mouse on rear I/O
GPIO	On board programmable 8-bit Digital I/Os

DISPLAY

Graphic Controller	- Intel® Q965 Express integrated GMA 3000 Graphics device support hardware acceleration MC, DirectX 9.0c - Intel® Dynamic Video Memory Technology (Intel® DVMT 4.0)
Display Interface	- VGA: Analog resolution up to 2048x1536 (QXGA) - DVI: Digital DVI resolution up to 1920x1200 (UXGA)

Mechanical & Environment

Dimension	170(L) x 170(W)mm; 6.69"(L) x 6.69"(W)
Power Supply	-Typical: +12V(CPU)@2.8A; +12V(System)@0.7A; +5V@5.1A; +3.3V@4.4A -Supports ATX mode
Environment	- Operation Temperature: 0°C to 55°C - Relative Humidity: 0% to 90%, non-condensing
MTBF	Over 100,000 hours at 40°C

