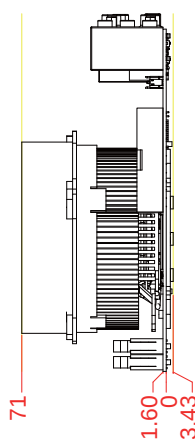
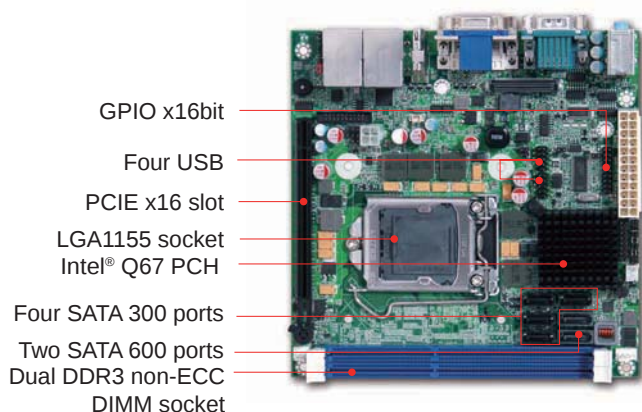




WADE-8012

Intel® Core™ i5/ i7 Processor based Mini-ITX with dual displays, DDR3 SDRAM, Two COM Ports and Eight USB Ports

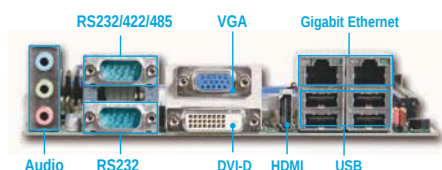


Equipped with second generation Intel® Core™ i5/i7 processors in the LGA-1155 socket, Portwell's WADE-8012 Mini-ITX offers superior performance in a small package and is suitable for diverse applications such as Panel PC, Lottery, Medical, Gaming and Digital Signage.

FEATURES

- Intel® Core™ i5/i7 Processor in LGA-1155 socket
- Intel® Q67 PCH
- Two 240pin DIMM sockets support Dual channel DDR3 SDRAM up to 8GB
- Dual Display by VGA / DVI / HDMI
- Intel® Active Management Technology (Intel® AMT 7.0)
- Support Six SATA ports(4xSATA 3Gb,2xSATA 6Gb), Eight USB ports
- RAID 0/1/5/10

REAR I/O



ORDERING GUIDE

AB1-3644	WADE-8012.Mini-ITX ESB.Q67 w/ECC PGA1155.w/ DDR3 SDRAM /VGA/DVI-D/HDMI/Dual GbE/COM/ Audio/USB
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PACKING LIST

One WADE-8012 Mini-ITX Main Board
One Installation CD
One SATA Cable
One IO shield

GENERAL

Processor	- Intel® Core™ i5/ i7 processor in LGA 1155 package - Support Intel® Hyper-Threading Technology, Intel® Virtualization Technology (VT-x), Intel® Trusted Execution Technology, Enhanced Intel SpeedStep® Technolog
Chipset	Intel® BD82Q67 PCH
BIOS	AMI UEFI BIOS
Memory	Support dual channel up to 8GB DDR3 1333/1066 MT/s SDRAM on two 240-pin non-ECC socket
Storage Devices	- 4x SATA support up to 3.0Gb/s data transfer rate - 2x SATA support up to 6.0Gb/s data transfer rate
Watchdog Timer	Programmable via S/W from 0.5 sec. to 255 min.
Hardware Monitoring	- FAN Speed (CPU & System), Temperature (CPU & System) - Beep alarms for field fan out, over/under voltage of DC voltages and over temperature threshold
Expansion Interface	1x PCI Express x16 slot (Gen2, 5.0GT/s) (support PCIe x1, x4, x8, x16 mode)

I/O INTERFACE

Super IO	ITE IT8728F
Audio	- Intel® Q67 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® 82579LM support iAMT 7.0 and Intel® 82574L dual gigabit ethernet controllers
Serial Port	- 1x RS232 port on rear IO - 1x RS232/422/485 selectable port on rear IO
USB	- 4x USB 2.0 ports on rear IO - 4x USB 2.0 ports on board with two headers - 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 16-bit Digital I/Os

DISPLAY

Graphic Controller	Intel® Q67 Integrated 3D GMA support DX10.1, OpenGL 3.0, MPEG-2, Shader Model 4.0
Display Interface	- VGA: One connector DB-15 on rear IO, analog resolution up to 2048x1536 (QXGA) - HDMI: One connector on rear IO, support up to 1920 x 1200 resolution - SDVO: One on-board connector (PCIEx1 & USBx1 signals) - DVI-D: One connector on rear IO, Digital DVI resolution up to 1920x1200 (WUXGA)

Mechanical & Environment

Dimension	170(L) x 170(W) mm; 6.69"(L) x 6.69"(W)
Power Supply	-Typical: +12V(CPU)@3.81A;+12V(System)@2.21A;+5V@2.3A;+3.3V@1.15A -Support 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 100,000 hours at 40°C

