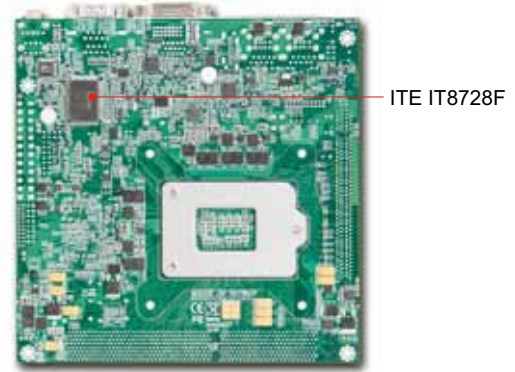
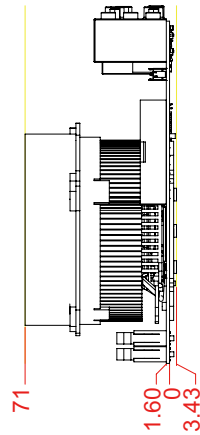
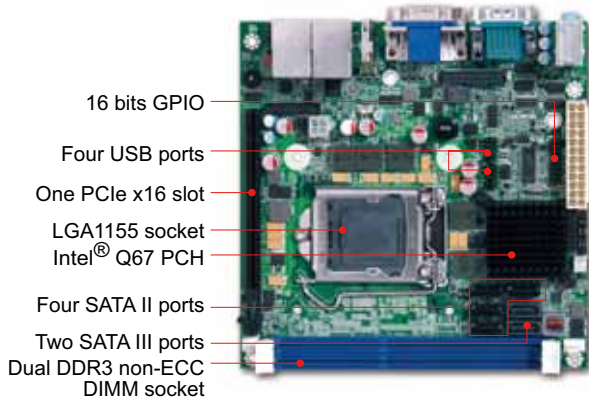


WADE-8012

Intel® 2nd Gen Core™ i5/ i7 processor based Mini-ITX with dual displays, DDR3 SDRAM, Two COM Ports and Eight USB Ports

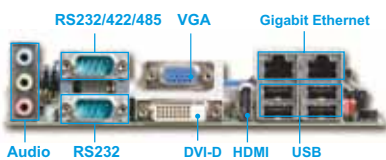


Equipped with second generation Intel® Core™ i5/i7 processors in the LGA1155 socket, Portwell's WADE-8012 Mini-ITX offers superior performance in a small package and is suitable for diverse applications such as Panel PC, Lottery, Medical, Gaming and Digital Signage.

FEATURES

- Intel® Core™ i5/i7 in LGA1155 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)
- Supports Six SATA ports (SATA II x4, SATA III x2), 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 |
|-----------------|---|

PACKING LIST

| |
|-----------------------------------|
| One WADE-8012 Mini-ITX Main Board |
| One Installation CD |
| One SATA Cable |
| One I/O shield |

GENERAL

| | |
|---------------------|--|
| Processor | - Intel® 2 nd Gen Core™ i5/i7 processor up to 3.4GHz (65~95W) with (3~8MB) Cache in LGA1155 package - Supports Intel® Hyper-Threading Technology, Intel® Virtualization Technology (VT-x), Intel® Trusted Execution Technology, Enhanced Intel SpeedStep® Technology |
| Chipset | Intel® Q67 PCH |
| BIOS | AMI UEFI BIOS |
| Memory | Supports dual channel up to 16GB 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 (Gen 2, 5.0 GT/s) (supports PCIe x1, x4, x8, x16 mode) |

I/O INTERFACE

| | |
|-------------|---|
| Super I/O | 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 supports iAMT 7.0 and Intel® 82574L Dual Gigabit Ethernet controllers |
| 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 - 4x USB 2.0 ports on board with two headers |
| GPIO | On board programmable 16-bit Digital I/Os |

DISPLAY

| | |
|--------------------|---|
| Graphic Controller | Intel® Q67 Integrated 3D GMA supports DX10.1, OpenGL 3.0, MPEG-2, Shader Model 4.0 |
| Display Interface | - VGA: One connector DB-15 on rear I/O, analog resolution up to 2048x1536 (QXGA) - HDMI: One connector on rear I/O, supports up to 1920 x 1200 resolution - SDVO: One on-board connector (PCIe x1 & USB x1 signals) - DVI-D: One connector on rear I/O, 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 - 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 100,000 hours at 40°C |

