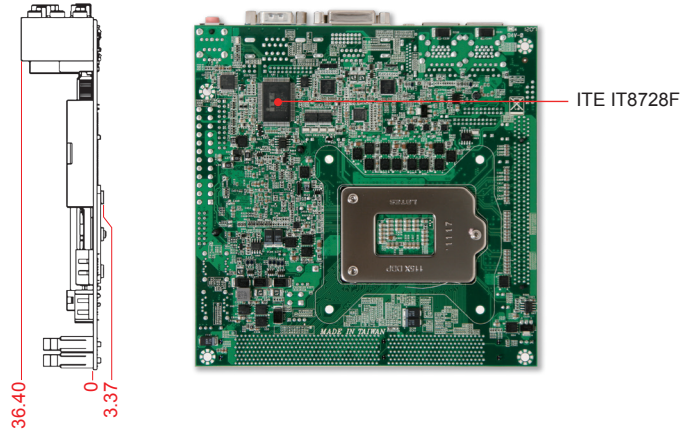
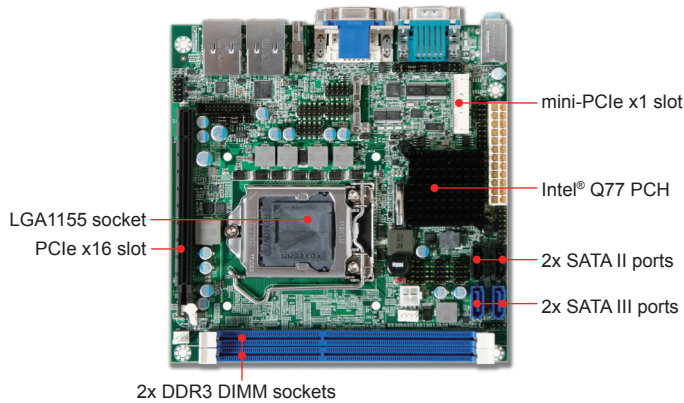


WADE-8013

Intel® Core™ i5/i7 processor based Mini-ITX Board with dual Gigabit Ethernet, 4x SATA Ports, 6x COM Ports, 1x PCIe x16 expansion slot and 1x mini-PCIe slot support mSATA interface

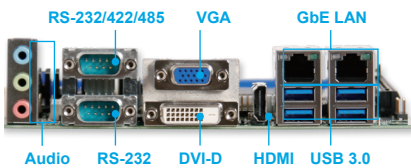


WADE-8013 supports the latest 3rd generation Intel® Core™ processor platform in an LGA1155 package, integrated with the memory and PCI Express controller supporting two-channel DDR3 memory and PCI Express 3.0 lanes to provide great graphics performance.

FEATURES

- Intel® next-Gen Dual/Quad processor in LGA1155 package
- Intel® Q77 Chipset
- 2x 240-pin Long-DIMM supports DDR3 SDRAM up to 16GB
- Dual display: VGA/DVI/HDMI
- 1x PCIe x16 expansion slot
- 5x SATA ports (2x SATA II, 2x SATA III)
- 6x COM ports
- 1x mini-PCIe slot supports mSATA interface

REAR I/O



ORDERING GUIDE

AB1-3790	(R)WADE-8013 Mini-ITX ESB.Q77 w/o ECC PGA1155.w/DDR3 SDRAM /VGA/DVI-D/HDMI/Dual GbE/COM/ Audio/USB 3.0
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PACKING LIST

One WADE-8013 Mini-ITX Main Board
One Installation CD
One SATA Cable
One I/O shield

GENERAL

Processor	- Intel® Core™ i5/i7 processor in LGA1155 package - FSB: 667/800/1066MHz - Supports Intel® Hyper-Threading Technology, Intel® Virtualization Technology (VT-x), Intel® Advanced Vector Extensions (AVX)
Chipset	Intel® Q77 PCH
BIOS	Phoenix BIOS (SPI ROM)
Memory	Supports dual channel up to 16GB DDR3 1333/1600 MT/s SDRAM on 2x 240-pin and sockets
Storage Devices	- 2x SATA II - 2x SATA III
Watchdog Timer	Programmable via S/W from 1 sec. to 255 sec.
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 PCIe 3.0 x16 slot (support PCIe x1, x4, x8, x16 mode) - 1x mini-PCIe slot

I/O INTERFACE

Super I/O	ITE IT8728F
Audio	- Intel® Q77 built-in High Definition Audio up to 96-kHz 24-bit - Realtek ALC886-GR, 7.1+2 channel - Audio Jack DIP Light Pink/Lime/Light Blue
Ethernet	Intel® 82579LM support iAMT 8.0 and Intel® 82574L Dual Gigabit Ethernet controllers
Serial Port	- 1x RS-232 port on rear I/O - 1x RS-232/422/485 selectable port on rear I/O - 3x RS-232 with header - 1x RS-232/422/485 with header
USB	- 4x USB 3.0 ports on rear I/O - 6x USB 2.0 ports on board with 2x headers
Keyboard & Mouse	1x PS/2 Keyboard & Mouse on board
GPIO	On board programmable 16-bit Digital I/Os

DISPLAY

Graphic Controller	Intel® Q77 Integrated 3D GMA support DX 10.1, OpenGL® 3.0, MPEG-2, Shader Model 4.0
Display Interface	- VGA: 1x connector DB-15 on rear I/O, up to 2048x1536 - HDMI: 1x connector on rear I/O, support up to 1920x1200 - DVI-D: 1x connector on rear I/O, Digital DVI up to 1920x1200

Mechanical & Environment

Dimension	170mm(L) x 170mm(W); 6.69"(L) x 6.69"(W)
Power Supply	ATX 24-pin power input
Environment	- Operation Temperature: 0°C~60°C - Storage temperature: -20°C~80°C - Relative Humidity: 5%~95%, non-condensing
Certification	CE, FCC Class A
MTBF	Over 100,000 hours at 40°C

