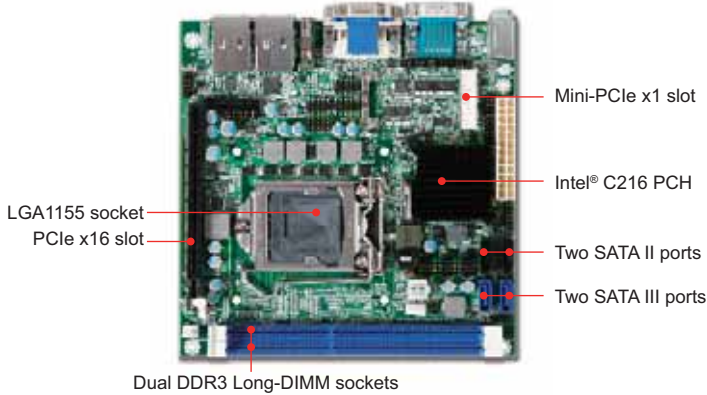# WADE-8014

Intel® Xeon® E3-1200V2/Core™ i3 processor based Mini-ITX Board with dual Gigabit Ethernet, Four SATA Ports, Six COM Ports, One PCI-Express x16 expansion slot and one Mini-PCIe slot support mSATA interface


- Mini-PCIe x1 slot
- Intel® C216 PCH
- Two SATA II ports
- Two SATA III ports
- LGA1155 socket
- PCIe x16 slot
- Dual DDR3 Long-DIMM sockets

36.40   0   3.37

- ITE IT8728F

WADE-8014 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® C216 Chipset
- Two 240-pin Long-DIMM supports DDR3 SDRAM up to 16GB
- Dual display: VGA/DVI/HDMI
- One PCI Express x16 expansion slot
- Four SATA ports (2x SATA II, 2x SATA III)
- Six COM ports
- One Mini-PCIe slot supports mSATA interface

REAR I/O

RS232/422/485   VGA   Gigabit Ethernet
Audio   RS232   DVI-D   HDMI   USB3.0
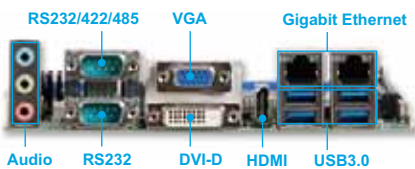
ORDERING GUIDE

AB1-3938	(R).WADE-8014
	Mini-ITX ESB.C216 w/ECC PGA1155.w/DDR3 SDRAM /VGA/DVI-D/HDMI/Dual GbE/COM/ Audio/USB 3.0

PACKING LIST

One WADE-8014 Mini-ITX Main Board
One Installation CD
One SATA Cable
One I/O shield

GENERAL

Processor	- Intel® Xeon® E3-1200V2/Core™ i3 processor in LGA1155 package - FSB: 800/1066MHz - Supports Intel® Hyper-Threading Technology, Intel® Virtualization Technology (VT-x), Intel® Advanced Vector Extensions (AVX)
Chipset	Intel® C216 PCH
BIOS	- Phoenix BIOS (SPI ROM)
Memory	Supports dual channel up to 16GB DDR3 1333/1600 MT/s SDRAM on two 240-pin and sockets
Storage Devices	- 2x SATA II supporting up to 3.0Gb/s data transfer rate - 2x SATA III supporting up to 6.0Gb/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) - Beep alarms for field fan out, over/under voltage of DC voltages and over temperature threshold
Expansion Interface	- 1x PCI Expressx16 slot (Gen 3, 8.0GT/s) (support PCIe x1, x4, x8, x16 mode) - 1x Mini-PCIe slot

I/O INTERFACE

Super I/O	ITE IT8728F
Audio	- Intel® C216 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® 82583V support iAMT 8.0 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 - 3x RS232 with header - 1x RS232/422/485 with header
USB	- 4x USB 3.0 ports on rear I/O - 6x USB 2.0 ports on board with two headers
Keyboard & Mouse	1x PS/2 Keyboard & Mouse on board
GPIO	On board programmable 16-bit Digital I/Os

DISPLAY

Graphic Controller	Intel® C216 Integrated 3D GMA support 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 - HDMI: One connector on rear I/O, support up to 1920x1200 resolution - DVI-D: One connector on rear I/O, Digital DVI resolution up to 1920x1200

Mechanical & Environment

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

Watch DOG   GPIO   DDR 3   SATA 6Gb   USB 3.0   2 GbE   HDMI   Mini-PCIe   VGA   DVI-D