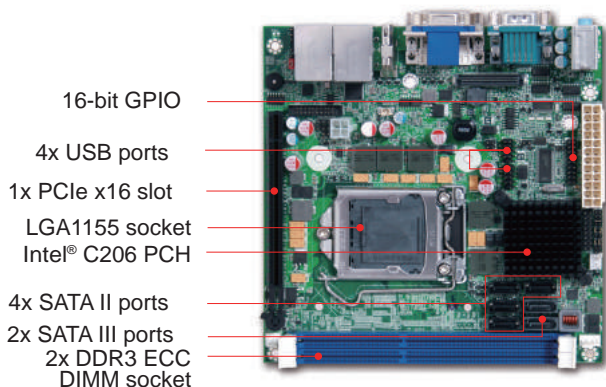
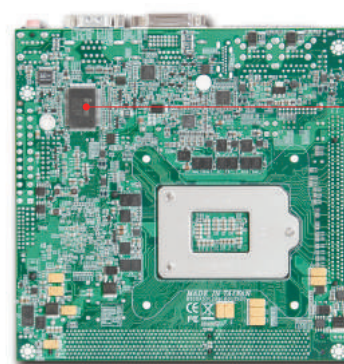
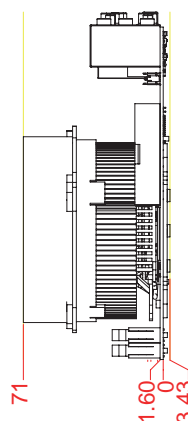


WADE-8011

Intel® i3 and Xeon® processor based Mini-ITX with dual displays, DDR3 SDRAM, 2x COM Ports and 8x USB Ports



- 16-bit GPIO
- 4x USB ports
- 1x PCIe x16 slot
- LGA1155 socket
- Intel® C206 PCH
- 4x SATA II ports
- 2x SATA III ports
- 2x DDR3 ECC DIMM socket



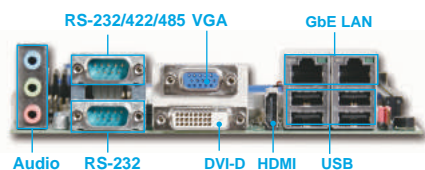
ITE IT8728F

Equipped with second generation Intel® Core™ i3 and Xeon® E3-1200 series processors in the LGA1155 socket, Portwell's WADE-8011 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® i3 and Xeon® E3-1200 series processor in LGA1155 socket
- Intel® C206 PCH chipset
- 2x 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)

REAR I/O



ORDERING GUIDE

AB1-3643	(R).WADE-8011 Mini-ITX ESB.C206 w/ECC PGA1155.w/DDR3 SDRAM /VGA/DVI-D/HDMI/Dual GbE/COM/Audio/USB
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PACKING LIST

One WADE-8011 Mini-ITX Main Board
One Installation CD
One SATA Cable
One I/O shield

GENERAL

Processor	- Intel® Core™ i3 and Xeon® E3-1200 series 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® BD82C206 PCH
BIOS	AMI UEFI BIOS
Memory	Supports dual channel up to 16GB DDR3 1333/1066 MT/s SDRAM on 2x 240-pin ECC and non-ECC socket
Storage Devices	- 4x SATA II - 2x SATA III
Watchdog Timer	Programmable via S/W from 0.5 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)

I/O INTERFACE

Super I/O	ITE IT8728F
Audio	- Intel® C206 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 RS-232 port on rear I/O - 1x RS-232/422/485 selectable port on rear I/O
USB	- 4x USB 2.0 ports on rear I/O - 4x USB 2.0 ports on board with 2x headers
GPIO	On board programmable 16-bit Digital I/Os

DISPLAY

Graphic Controller	Intel® C206 Integrated 3D GMA support DX10.1, OpenGL® 3.0, MPEG-2, Shader Model 4.0
Display Interface	- VGA: 1x connector DB-15 on rear I/O, up to 2048x1536 (QXGA) - HDMI: 1x connector on rear I/O, supports up to 1920 x 1200 - SDVO: 1x on-board connector (PCIe x1 & USB x1 signals) - DVI-D: 1x connector on rear I/O, Digital DVI up to 1920x1200 (WUXGA)

Mechanical & Environment

Dimension	170mm(L) x 170mm(W); 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~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

