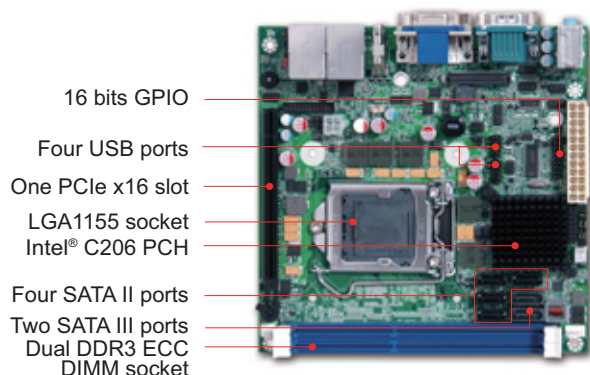




WADE-8011

Intel® i3 and Xeon® processor based Mini-ITX
with dual displays, DDR3 SDRAM, Two COM
Ports and Eight USB Ports



16 bits GPIO

Four USB ports

One PCIe x16 slot

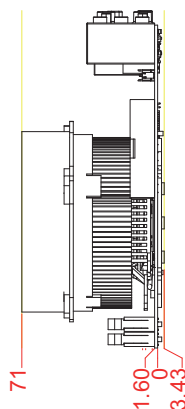
LGA1155 socket

Intel® C206 PCH

Four SATA II ports

Two SATA III ports

Dual DDR3 ECC
DIMM socket



71

1.60

3.43



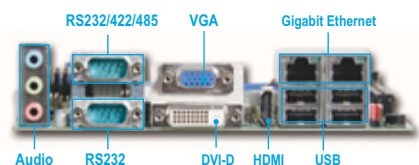
ITE IT8728F

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
- 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)

REAR I/O



RS232/422/485

VGA

Gigabit Ethernet

Audio

RS232

DVI-D

HDMI

USB

ORDERING GUIDE

AB1-3643

WADE-8011.Mini-ITX ESB.C206 w/ECC
PGA1155.w/DDR3 SDRAM /VGA/DVI-D/HDMI/Dual
GbE/COM/Audio/USB

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 two 240-pin ECC and 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) (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 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 - 480 Mb/s bus capable of high-speed/full-speed/low-speed data ranges
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: 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

