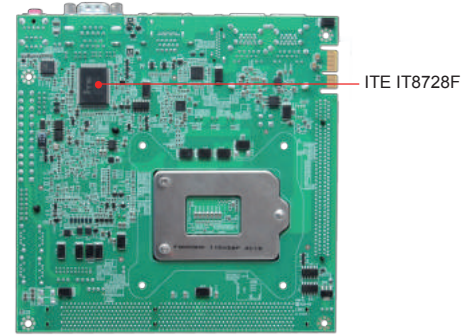
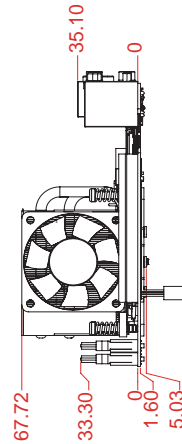
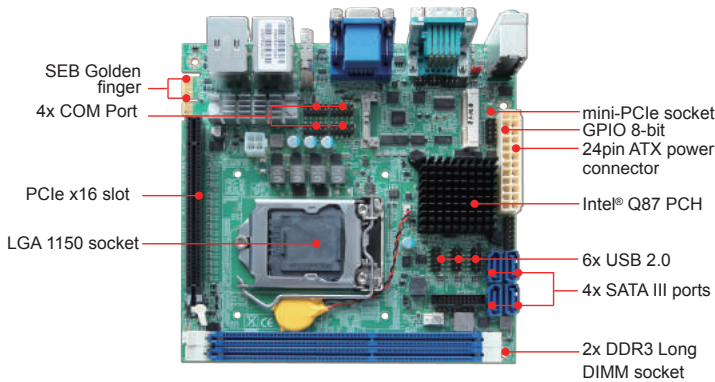


# WADE-8015

Intel® 4<sup>th</sup> Gen Core™ i5/i7 processor based Mini-ITX Board with dual Gigabit Ethernet, 4x SATA III ports, 6x COM ports, 1x PCIe x16 expansion slot and 1x mini-PCIe slot with mSATA interface

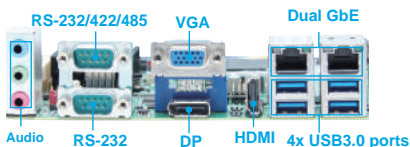


WADE-8015 is based on Intel® Q87 chipset and desktop processor sku like Core™ i7 and i5. WADE-8015 of the Intel® platform will provide high performance and flexibility for functional expansion, such as Gaming, Kiosk, DS, Medical, Defense, Industrial automation and control applications.

## FEATURES

- Intel® i5/i7 4<sup>th</sup> Dual/Quad processor in LGA 1150
- Intel® Q87 PCH
- 2x DDR3 Long-DIMM slots up to 16GB (support 1600/1333 )
- 1x PCIe x16 slot (Gen3 support)
- 1x mini-PCIe slot (support mSATA)
- 1x PCIe x1 Golden finger (2\*PCIe x1 signal)
- Audio Jack (support Line-in / Line-out / Mic-in)
- 6x COM ports (2pcs on rear I/O ,4pcs on board header)
- 4x SATA III Ports (support RAID 0,1,5,10)
- Total 10x USB ports (4x USB 3.0 Ports & 6x USB 2.0 Ports)
- Support Triple Display function (DP/VGA/ HDMI)

## REAR I/O



## ORDERING GUIDE

<b>AB1-3910</b>	(R).WADE-8015 Mini-ITX ESB.Q87 w/o ECC LGA1150.w/DDR3 SDRAM /VGA/DP/HDMI/Dual GbE/COM/Audio/ USB
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## PACKING LIST

One WADE-8015 Mini-ITX Motherboard
One installation DVD
One SATA III cable
One I/O shield

## GENERAL

Processor	- Intel® 4 <sup>th</sup> Gen Core™ i5/i7 processor in LGA-1150 package - DMI x4 Link: 5.0GT/s - Support Intel® Turbo Boost, Hyper-Threading, Virtualization, Thermal Monitoring, Trusted Execution and SpeedStep Technology (depends on CPU sku)
Chipset	Intel® Q87 PCH
BIOS	Phoenix UEFI BIOS
Memory	Support up to 16GB DDR3 1333/1600 MT/s SDRAM on 2x 240-pin DIMM sockets
Storage Devices	4x SATA III
Watchdog Timer	Programmable via S/W from 0.5 sec. to 254.5 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 - 1x mini-PCIe slot - 1x PCIe 2.0 x1 Golden finger

## I/O INTERFACE

Super I/O	ITE IT8728F
Audio	- Intel® Q87 PCH built-in High Definition Audio up to 192-kHz 32-bit - Realtek ALC886-GR HDA codec, 5.1 channels
Ethernet	- Intel® WGI217LM + WGI210AT Gigabit Ethernet controller - 2x 10BASE-T / 100BASE-TX / 1000BASE-T Ethernet - PCIe x1 interface based on Gigabit Ethernet - 2x RJ-45 connector with 2x LED indicators
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
Keyboard & Mouse	PS/2 on board dedicated to Keyboard & Mouse
GPIO	On board programmable 8-bit Digital I/O

## DISPLAY

Graphic Controller	- Intel® Core™ i5/i7 processors integrated graphic engine - Provided improved 3D multimedia capabilities including Microsoft DirectX 11.1, Shader Model 4.0, MPEG-2 and OpenGL® 3.2
Display Interface	- VGA: 1x connector DB-15 on rear I/O, up to 1920x1200 - DP : 1x connector on rear I/O, support up to 3200x2000 - HDMI : 1x connector on rear I/O, support up to 4096x2304

## 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%~90%, non-condensing
Certification	CE, FCC Class A
MTBF	Over 120,000 hours at 40°C

