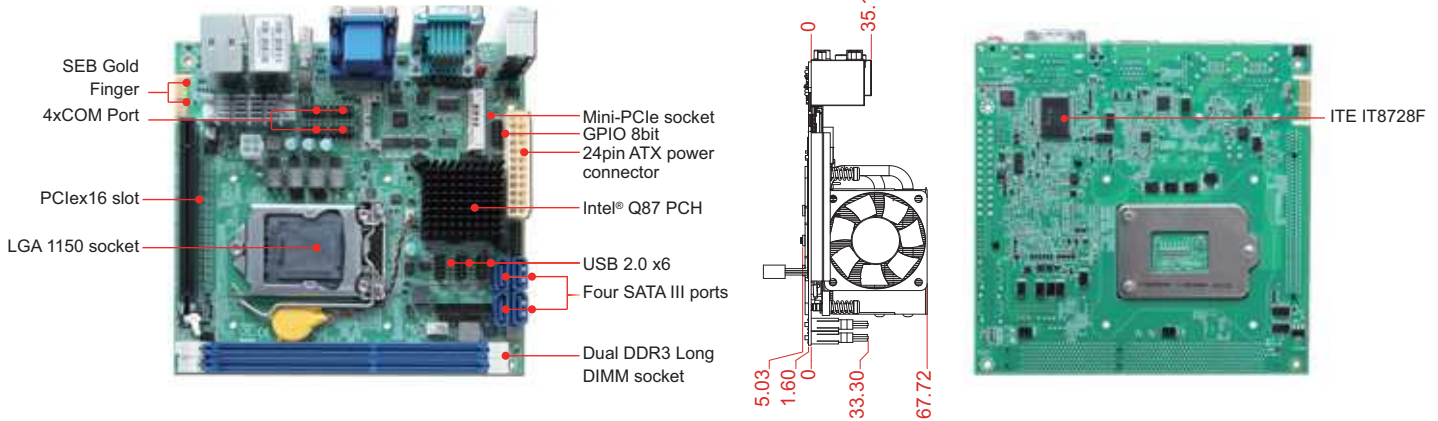


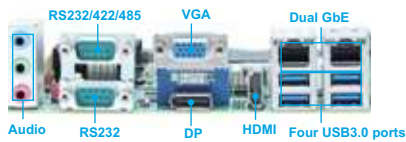
# WADE-8015

Intel® Core™ i7/i5 processor based Mini-ITX Board with dual Gigabit Ethernet, four SATA III ports, Six COM ports, one PCIe x16 expansion slot and one Mini-PCIe slot with mSATA interface



WADE-8015 is based on Intel® Q87 chip-set 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.

## REAR I/O



## FEATURES

- Intel® 4<sup>th</sup> Dual/Quad processor in LGA 1150
- Intel® Q87 PCH
- Two DDR3 Long-DIMM slots up to 16GB(support 1600/1333 )
- One PCIe x16 slot (Gen3 support)
- One Mini-PCIe slot (support mSATA)
- One PCIe x1 Gold Finger (2\*PCIe x1 signal)
- Audio Jack (support Line-in / Line-out / Mic-in)
- Six COM ports (2pcs on rear I/O ,4pcs on board header)
- Four SATA III Ports (support RAID 0,1,5,10)
- Total Ten USB ports(4xUSB3.0 Ports & 6xUSB2.0 Ports)
- Support Triple Display function( DP/VGA/HDMI)

## 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 |
|-----------------|--|

## PACKING LIST

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

## GENERAL

|                     |  |
|---------------------|--|
| Processor           | - Intel® Core™ i5/i7 processor in LGA-1150 package<br>- DMI x4 Link: 5.0GT/s<br>- 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 SDRAM on two 240-pin DIMM sockets  |
| Storage Devices     | - 4x SATA III support up to 6.0 Gb/s data transfer rate  |
| Watchdog Timer      | - Programmable via S/W from 0.5 sec. to 254.5 sec.   |
| Hardware Monitoring | - FAN Speed (CPU & System), Temperature (CPU & System)<br>- Beep alarms for field fan out, over/under voltage of DC voltages and over temperature threshold  |
| Expansion Interface | - 1x PCI Express x16 Gen3 up to 8.0 GT/s<br>- 1x Mini-PCIe slot<br>- 1x PCI Express x1 Gold Finger   |

## I/O INTERFACE

|                  |  |
|------------------|--|
| Super I/O        | - ITE IT8728F  |
| Audio            | - Intel® Q87 PCH built-in High Definition Audio up to 192-kHz 32-bit<br>- Realtek ALC886-GR HDA codec, 5.1 channels  |
| Ethernet         | - Intel® WGI217LM + WGI210AT gigabit ethernet controller<br>- Dual 10BASE-T / 100BASE-TX / 1000BASE-T Ethernet<br>- PCI Express x1 interface based on gigabit ethernet<br>- Dual RJ-45 connector with two LED indicators |
| Serial Port      | - 1x RS232 port on rear I/O<br>- 1x RS232/422/485 selectable port on rear I/O<br>- 3x RS232 with header<br>- 1x RS232/422/485 with header  |
| USB              | - 4x USB3.0 Ports on rear I/O<br>- 6x USB2.0 Ports on board  |
| Keyboard & Mouse | - PS/2 on board dedicated to Keyboard & Mouse  |
| GPIO             | - on board programmable 8bit Digital I/O   |

## DISPLAY

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

## Mechanical & Environment

|              |  |
|--------------|--|
| Dimension    | -170(L) x 170mm(W); 6.69"(L) x 6.69"(W)  |
| Power Supply | - ATX 24-pin power input   |
| Environment  | - Operation Temperature: 0~60 °C<br>- Storage Temperature: -20~80 °C<br>- Relative Humidity: 5~90%, non-condensing |
| MTBF         | Over 120,000 hours at 40°C   |

