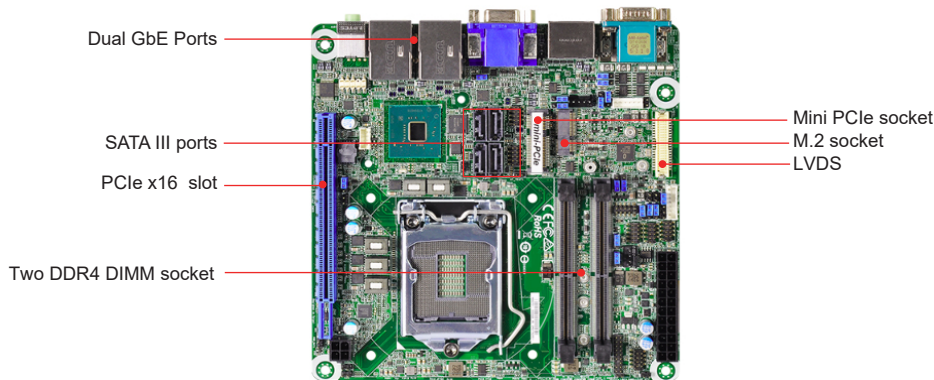


# WADE-8211-Q370

Support Desktop Intel® 8<sup>th</sup> Gen Core™ Processors  
Mini-ITX with DDR4 SO-DIMM up to 32Gb , VGA ,  
2x DP port, LVDS, Dual GbE LAN, Five COM Ports

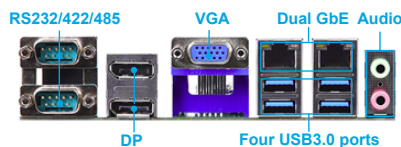


WADE-8211 is based on Intel® Q370 chipset and Desktop processors including Intel® 8<sup>th</sup> Gen Core™ i3/i5/i7 SKU. This board supports DDR4 ,PCIe 3.0, and SATAIII. Those fratures help you to build high performance and stabile system.

## FEATURES

- Intel® 8<sup>th</sup> Gen Core™ Processors support
- Two SO- DIMMs support DDR4Non-ECC DRAM up to 32GB
- Support dual Ethernet, 5x COM Ports, 8x USB Ports , 4x SATA III Ports and Audio
- One PCIe x16 (Gen3), one mini-PCIe socket one M.2(Key E,2230) for Wireless, one M.2 (Key M,2242/2260/2280) for SSD

## REAR I/O



## ORDERING GUIDE

AB1-3H67	WADE-8211-Q370 (R).WADE-8211-Q370.Mini-ITX ESB.Q370 w/o ECC LGA1151.w/DDR4 SDRAM /VGA /Dual DP/Dual GbE/COM/Audio/USB
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## PACKING LIST

One WADE-8211 motherboard
One Driver CD
One SATA Cable

## GENERAL

Processor	Intel® 8 <sup>th</sup> Gen Core™ Processors CPU in LGA1151 package
Chipset	Intel® Q370
BIOS	AMI uEFI BIOS (SPI ROM)
Memory	Support up to 32GB DDR4 2400/2666 Non-ECC SDRAM on two SO-DIMM socket
Storage Devices	4x SATAIII ports
Watchdog Timer	Programmable by embedded controller
Hardware Monitoring	System monitor(Voltage,Fan Speed and Temperature)
Expansion Interface	- 1x PCIe x16 Gen3 - 1x M.2(Key E, 2230) with PCIe x1, CNVi and USB2.0 for Wireless - 1x M.2 (Key M, 2242/2260/2280) with PCIe x4 and SATA3 for SSD

## I/O INTERFACE

Super I/O	NCT6116D
Audio	Audio Jack on rear I/O with Line-out/Mic-in with Realtek ALC887 Audio controller
Ethernet	- Intel® I219LM and Intel® I210AT Ethernet controller - 2x RJ45 connectors on rear I/O
Serial Port	- 2x RS232/422/485 port on rear I/O - 3x RS232 port on pin header
USB	- 4x USB3.0 on rear I/O - 4x USB2.0 on pin header
GPIO	8-bit configurable controlled by embedded controller

## DISPLAY

Graphic Controller	- Intel® Gen 9 graphic engine supports DirectX 12, OpenGL 4.6
Display Interface	- DP:Two DP port on rear I/O, resolution up to 4K (4096x2304@60Hz) - VGA:One VGA port on rear I/O resolution up to 1920x1200 @ 60Hz - LVDS:One LVDS sonnector on board, resolution up to 1920x1200

## Mechanical & Environment

Dimension	170mm(L) x 170mm(W) x 1.6mm(H)
Power Supply	ATX
Environment	- Operation temperature:0~60°C - Storage temperature: -20~80°C - Relative humidity:5~95%,non-condensing
MTBF	Over 100,000 hours at 40°C

