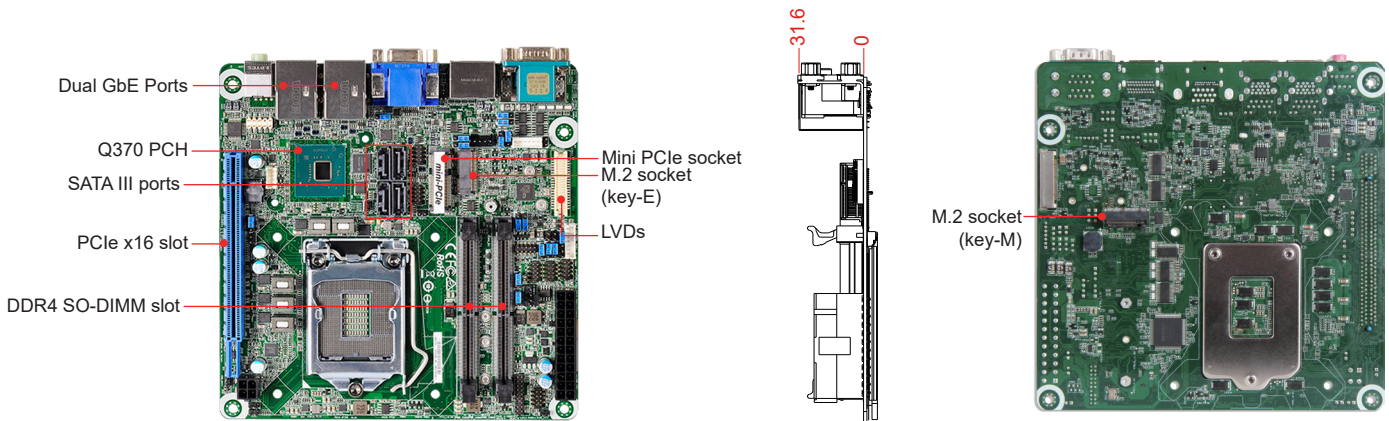


WADE-8211-Q370

Leading Desktop Intel® 8th Gen Core™ Processors Mini-ITX with DDR4 SO-DIMM up to 64G, VGA, Dual DP ports, Two GbE LAN ports, Five COM Ports

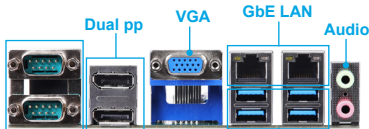


WADE-8211-Q370 is based on Intel® Q370 chipset and Desktop processors including Intel® 8th/9th Gen Core™ i3/i5/i7 SKU. This board supports DDR4, PCIe 3.0, and SATA III. Those features help you to build high performance and stable system.

FEATURES

- Intel® 8th/9th Gen Core™ Processors support
- Supports two SO-DIMMs support t DDR4 Non-ECC SDRAM up to 64GB
- Supports dual Ethernet, five COM Ports, eight USB Ports, four SATA III Ports and Audio
- Supports one PCIe x16 (Gen3), one M.2 Type E socket(2230) for Wireless, one M.2 Type M socket(2242/2260/2280) for SSD, and one mini-PCIe slot

REAR I/O



RS-232/422/485 4x USB 3.2(Geul) ports

ORDERING GUIDE

AB1-3D63	(R).WADE-8211-Q370 Mini-ITX ESB.Q370 w/o ECC LGA1151..w/DDR4 SO-DIMM /VGA/Dual DP/Dual GbE/COM/ Audio/USB
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PACKING LIST

One WADE-8211-Q370 Main board
One I/O shield
One Installation CD
One SATA cable
One CPU cooler bracket

GENERAL

Processor	Intel® 8 th /9 th Gen Core™ Processors CPU in LGA1151 package
Chipset	Intel® Q370
BIOS	AMI uEFI BIOS
Memory	Supports up to 64GB DDR4 2400/2666MHz Non-ECC SDRAM on two SO-DIMM socket
Storage Devices	Supports four SATA III port
Watchdog Timer	Programmable watchdog timer, time out period from 1 sec to 255 secs.
Hardware Monitoring	System monitor(Voltage, Fan Speed and Temperature)
Expansion Interface	- 1x PCIe x16 - 1x M.2 Type E socket(2230) for Wireless - 1x M.2 Type M socket(2242/2260/2280) for SSD

I/O INTERFACE

Super I/O	NCT6116D
Audio	- Realtek AL887 High Definition Audio integrated in Intel SoC - Audio Jack on rear I/O with Line-out/ Mic-in
Ethernet	- Intel® I219LM & I210AT Ethernet controller - 2x RJ45 connectors on rear I/O
Serial port	- 2x RS-232/422/485 ports on REAR I/O - 3x RS-232 ports on board pin header
USB	- 4x USB3.0 on rear I/O - 4x USB2.0 on board pin header
GPIO	8-bit configurable controlled by embedded controller

DISPLAY

Graphic Controller	- Intel® UHD Graphics 630 supports DirectX 12, OpenGL 4.5 - Video decode HW acceleration support for H.264, H.265, MPEG2, VC-1/WMV9, JPEG, VP8, and VP9
Display Interface	- LVDS: Dual channel 2bit LVDS on board, resolution up to 1920 x1200 - DPI: Dual DP ports on rear I/O, resolution up to 4096x2340 - VGA: One VGA port on rear I/O resolution up to 1920x1200

Mechanical & Environment

Dimension	170mm(L) x 170mm(W) x 1.6mm(H)
Power Supply	ATX power input
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

