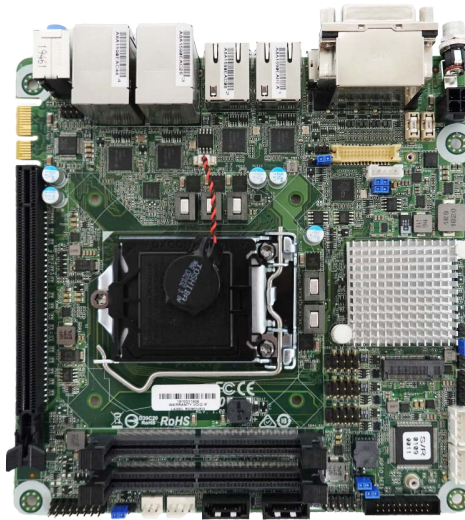


# WADE-8132

Supports Desktop Intel® 8<sup>th</sup>/9<sup>th</sup> Gen Core™ Processors thin Mini-ITX with DDR4 SO-DIMM up to 64GB, Display port, HDMI, DVI, LVDS, 4x GbE LAN, and TPM 2.0



WADE-8132 is based on Intel® Q370 series chipset and Desktop processors including Intel® 8<sup>th</sup>/9<sup>th</sup> Gen Core™ i3/i5/i7 SKU. This board supports DDR4, PCIe 3.0, and SATAIII. These features help you to build high performance and stable system.

## FEATURES

- Intel® 8<sup>th</sup>/9<sup>th</sup> Gen Core™ Processors
- Supports two SO-DIMMs DDR4 Non-ECC DRAM up to 64GB
- 4x Ethernet, 10x USB, 2x SATA III Ports and Audio (Pin-header)
- 1x PCIe x16 (Gen3), 1x M.2 Key M 2242 for SSD, 1x M.2 Key M, 2280
- Onboard TPM 2.0 (Through LPC header)

## REAR I/O



## PACKING LIST

- |                           |
|---------------------------|
| One WADE-8132 motherboard |
| One Driver CD             |
| One SATA Cable            |

## GENERAL

Processor	Intel® 8 <sup>th</sup> /9 <sup>th</sup> Gen Core™ Processors CPU in LGA1151 package
Chipset	Intel® Q370
BIOS	AMI UEFI BIOS (SPI ROM)
Memory	Supports up to 64GB DDR4 2400/2666 Non-ECC on two SO-DIMM sockets
Storage Devices	2x SATAIII ports
Watchdog Timer	Programmable by embedded controller
Hardware Monitoring	System monitor (Voltage, Fan Speed and Temperature)
Expansion Interface	<ul style="list-style-type: none"> <li>- 1x PCIe x16 Gen3</li> <li>- 1x M.2 Key M 2242</li> <li>- 1x M.2 Key M 2280 (Bottom)</li> <li>- 1x PCIe x1 (Side expansion)</li> </ul>

## I/O INTERFACE

SIO	NCT 6116D, support SMBus, GPIO (Pin-header), TPM 2.0 (Through LPC header)
Audio	2W speaker KIT through pin header
Ethernet	<ul style="list-style-type: none"> <li>- Intel® I210 Ethernet controller</li> <li>- 4x RJ-45 connectors on rear I/O</li> </ul>
USB	<ul style="list-style-type: none"> <li>- 4x USB 3.2 Gen 2 on rear I/O</li> <li>- 6x USB 2.0 on pin header</li> </ul>

## DISPLAY

Graphic Controller	Intel® Gen 9 graphic engine supports DirectX 12, OpenGL 4.6
Display Interface	<ul style="list-style-type: none"> <li>- 1x DP on rear I/O, resolution up to 4096x2304 @60Hz</li> <li>- 1x DVI-D port on rear I/O resolution up to 1920x1200 @60Hz</li> <li>- 1x HDMI port on rear I/O, resolution up to 4096x2160@24Hz</li> <li>- 1x LVDS connector on board, resolution up to 1920x1200 @60Hz</li> </ul>

## Mechanical & Environment

Dimension	170mm(L) x 170mm(W)
Power Supply	12V DC Input
Environment	<ul style="list-style-type: none"> <li>- Operation temperature: 0~60°C</li> <li>- Storage temperature: -20~80°C</li> <li>- Relative humidity: 5~95%, non-condensing</li> </ul>
MTBF	Over 327,136 hours at 40°C

