

WADE-8017 is based on Intel® Q170/H110/C236 chipset and desktop processors including Intel® 6<sup>th</sup> Gen Core™ i3/i5/i7 SKU. This board supports DDR4, PCIe 3.0, and SATAIII. Those features help you to build high performance and stability system.

## FEATURES

- Intel® 6<sup>th</sup> Gen Core™ Processors support
- Two long-DIMM support DDR4 ECC/Non-ECC SDRAM up to 32GB
- Display : VGA/DP/HDMI
- One PCIe x1 Golden Finger support SEB  
Six SATA III ports support RAID 0/1/5/10 (H110 just support 4x SATA)
- One PCIe x16 (Gen3), one M.2 type E socket (H110 not support)

## REAR I/O

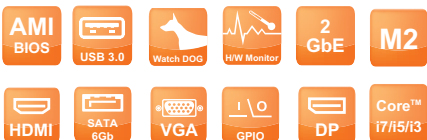


## ORDERING GUIDE

AB1-3D16	(R)WADE-8017 Mini-ITX ESB.Q170 w/o ECC LGA1151.w/DDR4 SDRAM /VGA/DP/HDMI/Dual GbE/COM/Audio/USB
AB1-3D75	(R)WADE-8017-C236 Mini-ITX ESB.C236.w/ECC LGA1151 w/DDR4 SDRAM/VGA/DP/HDMI/Dual GbE/COM/Audio/USB
AB1-3D76	(R)WADE-8017-H110 Mini-ITX ESB.H110.w/o ECC LGA1151 w/DDR4 SDRAM/VGA/DP/HDMI/Dual GbE/COM/Audio/USB

## PACKING LIST

One WADE-8017 motherboard
One Driver CD
One SATA Cable



## GENERAL

Processor	Intel® 6 <sup>th</sup> Gen Core™ Processors CPU in LGA1151 package
Chipset	Intel® Q170/H110/C236 PCH
BIOS	AMI uFEI BIOS (SPI ROM)
Memory	Support up to 32GB DDR4 2133/1866 ECC/Non-ECC SDRAM on two 288 pin DIMM socket
Storage Devices	6x SATA III support up to 6Gb/s data transfer rate (H110 just support 4x SATA)
Watchdog Timer	Programmable by embedded controller
Hardware Monitoring	System monitor (Voltage,Fan Speed and Temperature)
Expansion Interface	- 1x PCIe x16 Gen3 - 1x M.2 Type E socket(H110 not support) - 1x Mini-PCIe socket(H110 just support mSATA) - 1x PCIe x1 Golden Finger

## I/O INTERFACE

Super I/O	N/A
Audio	- Audio Jack on rear I/O with Line-in/ Line-out/ Mic-in - Realtek ALC892 HD Audio codec
Ethernet	- Intel® I219LM and Intel® I211AT Ethernet controller - 2x RJ45 connectors on rear I/O
Serial Port	- 1x RS232/422/485 port on rear I/O - 1x RS232 port on rear I/O - 4x RS232 port on pin header
USB	- 4x USB3.0 on rear I/O - 2x USB2.0 on pin Header
GPIO	8-bit configurable controlled by embedded controller

## DISPLAY

Graphic Controller	- Intel® Gen9 graphic engine supports DirectX 12, OpenGL 4.4
Display Interface	- DP:One DP port on rear I/O, resolution up to 4K (4096x2304@60Hz) - HDMI:One HDMI port on rear I/O, resolution up to 4K (4096x2160@24Hz) - VGA:One VGA port on rear I/O resolution up to 1920x1200 @ 60Hz

## Mechanical & Environment

Dimension	170mm(L) x 170mm(W) x 1.6mm(H)
Power Supply	24 pin ATX power input (different style)
Environment	- Operation temperature:0~60°C - Storage temperature:-20~80°C - Relative humidity:5~95%,non-condensing
Certification	CE,FCC Class A
MTBF	Over 120,000 hours at 40°C