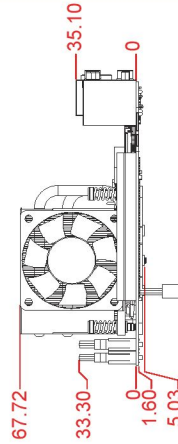
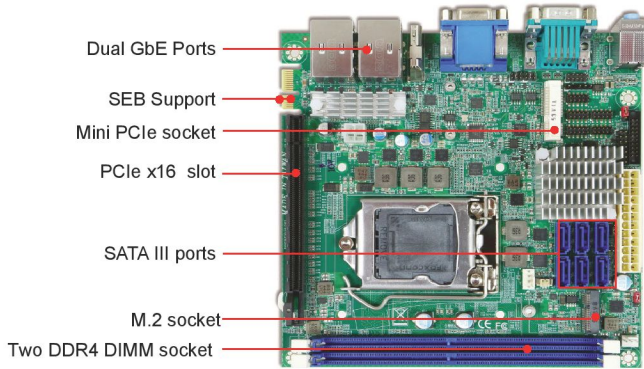


WADE-8017 series

Support Desktop Intel® 6/7th Gen Core™ Processors (former KBL / SKL) Mini-ITX with DDR4 SDRAM, Triple Displays, Two GbE LAN Ports, Six COM Ports

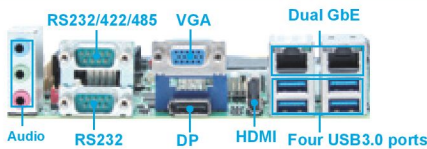


WADE-8017 is based on Intel® Q170/C236 chipset and Desktop processors including Intel® 6/7th Gen Core™ i3/i5/i7 SKU. This board supports DDR4, PCIe 3.0, and SATAIII. Those features help you to build high performance and stable system.

FEATURES

- Intel® 6/7th Gen Core™ Processors support
- Two Long-DIMMs support DDR4 Non-ECC /ECC SDRAM up to 32GB
- Support dual Ethernet, six COM Ports, six USB Ports, six SATA III Ports and Audio
- One PCIe x16 (Gen3), one M.2 Type E socket, one mini-PCIe G/F and one mini-PCIe socket (H110 not support M.2 Function, and only support 4x SATA port)

REAR I/O



ORDERING GUIDE

AB1-3G16	(R).WADE-8017-KBL Mini-ITX ESB.Q170 w/o ECC LGA1151.w/DDR4 SDRAM /VGA/DP/HDMI/Dual GbE/COM/Audio/USB
AB1-3G13	(R).WADE-8017-C236-KBL Mini-ITX ESB.C236 w/ECC LGA1151.w/DDR4 SDRAM /VGA/DP/HDMI/Dual GbE/COM/Audio/USB
AB1-3G12	(R).WADE-8017-H110-KBL Mini-ITX ESB.H110 w/o ECC LGA1151.w/DDR4 SDRAM /VGA/DP/HDMI/Dual GbE/COM/Audio/USB
AB1-3D16	(R).WADE-8017 Mini-ITX ESB.Q170 w/o ECC LGA1151.w/DDR4 SDRAM /VGA/DP/HDMI/Dual GbE/COM/Audio/USB
AB1-3D76	(R).WADE-8017-C236 Mini-ITX ESB.C236 w/ECC LGA1151.w/DDR4 SDRAM /VGA/DP/HDMI/Dual GbE/COM/Audio/USB
AB1-3D75	(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 / 7 th Gen Core™ Processors CPU in LGA1151 package
Chipset	Intel® Q170 / C236 / H110
BIOS	AMI uEFI BIOS (SPI ROM)
Memory	Support up to 32GB DDR4 2133/1866 Non-ECC SDRAM on two 288 pin DIMM socket
Storage Devices	6x SATAIII port (H110 only support 4x SATA port)
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 have M.2 function) and 1x mini-PCIe socket - 1x mini PCIe G/F

I/O INTERFACE

Super I/O	N/A
Audio	Audio Jack on rear I/O with Line-in/ Line-out/ Mic-in
Ethernet	- Intel® I219LM and Intel® I210AT 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 - 3x RS232 port and 1x RS232/422/485 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	ATX
Environment	- Operation temperature:0~60°C - Storage temperature: -20~80°C - Relative humidity:5~95%,non-condensing
MTBF	Over 120,000 hours at 40°C

