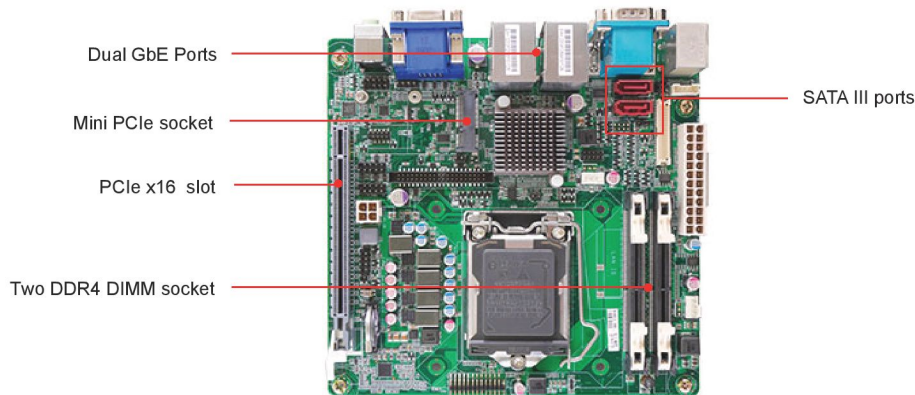


# WADE-8210-H110

Leading Desktop Intel® 6/7<sup>th</sup> Gen Core™ Processors (former Kaby Lake/Sky Lake) Mini-ITX with DDR4 SDRAM, VGA, HDMI, LVDS, Two GbE LAN Ports, Six COM Ports

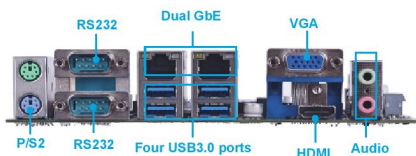


WADE-8210 is based on Intel® H110 chipset and Desktop processors including Intel® 6/7<sup>th</sup> Gen Core™ i3/i5/i7 SKU. This board supports DDR4, PCIe 3.0, and SATAIII. Those features help you to build high performance and stable system.

## FEATURES

- Intel® 6/7<sup>th</sup> Gen Core™ Processors support
- Two So-DIMMs support DDR4 Non-ECC SDRAM up to 32GB
- Support dual Ethernet, six COM Ports, eight USB Ports, two SATA III Ports and Audio
- One PCIe x16 (Gen3), and one mini-PCIe socket (mSATA)

## REAR I/O



## ORDERING GUIDE

AB1- 3G39	(R) WADE-8210-H110 Mini-ITX ESB H110 w/o ECC LGA1151 w/DDR4 SDRAM /VGA/HDMI/Dual GbE/COM/Audio/USB
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## PACKING LIST

One WADE-8210-H110 motherboard
One Driver CD
One SATA Cable



## GENERAL

Processor	Intel® 6/7 <sup>th</sup> Gen Core™ Processors CPU in LGA1151 package
Chipset	Intel® H110
BIOS	AMI UEFI BIOS (SPI ROM)
Memory	Support up to 32GB DDR4 2133 Non-ECC SDRAM on two 260 pin SO-DIMM socket
Storage Devices	2x SATAIII port
Watchdog Timer	Programmable by embedded controller
Hardware Monitoring	System monitor (Voltage, Fan Speed and Temperature)
Expansion Interface	- 1x PCIe x16 Gen3 - 1x mini-PCIe socket (support mSATA)

## I/O INTERFACE

Super I/O	ITE IT8786E-I
Audio	Audio Jack on rear I/O with Line-out/ Mic-in
Ethernet	- Realtek 8111H chip - 2x RJ45 connectors on rear I/O
Serial Port	- 2x RS232 port on rear I/O - 4x RS232 port and on 2x20 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® Gen9 graphic engine supports DirectX 12, OpenGL 4.4
Display Interface	- LVDS: Dual channel 24bit LVDS on board, resolution up to 1920 x1200 - 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° - Relative humidity: 5~95%, non-condensing
MTBF	Over 120,000 hours at 40°C