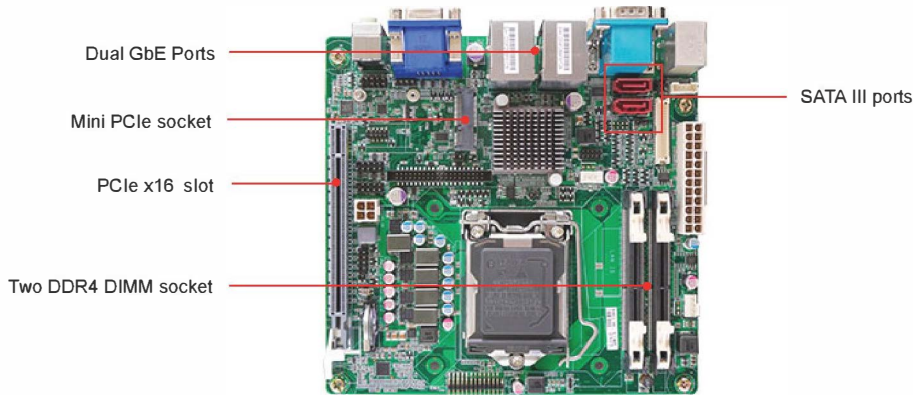# WADE-8210-H110

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

Dual GbE Ports

Mini PCIe socket

PCIe x16 slot

Two DDR4 DIMM socket

SATA III ports

WADE-8210 is based on Intel® H110 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 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

RS232   Dual GbE   VGA

P/S2   RS232   Four USB3.0 ports   HDMI   Audio

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

PACKING LIST

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

GENERAL

Processor	Intel® 6/7th 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 socketj(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

styrel