



IMB-1310

Micro ATX Motherboard

Spotlight Features

- Socket LGA 1151 for Intel Core i7/i5/i3/Celeron
- Supports Dual Channel DDR4 2 x Long-DIMM 2400/2666, up to 32GB
- 1 x VGA, 1 x DVI-D, 1 x HDMI, 1 x Displayport, 1 x Dual Channel 24-bit LVDS
- 4 x USB 3.1, 4 x USB 2.0, 4 x SATA3, 4 x COM
- 1 x PCIe x 16, 1 x PCIe x4, 2 x PCI, 1 x M.2 Key M
- 2 x Intel LAN
- 1 x TPM header
- ATX PWR 24+8-pin

Specifications

Processor System

Dimensions	Micro ATX (9.6-in x 9.6-in)
CPU	Socket LGA 1151 for Intel Core i7/i5/i3/Celeron (Supports up to 95W)
Chipset	Intel® H310

Expansion Slot

PCIe	1 x PCIe x16, 1 x PCIe x4,
PCI	2
Mini-PCIe	N/A
M.2	1x M.2 (Key M, 2242/2260/2280) with SATA3 for SSD
mSATA	N/A

Memory

Technology	Dual Channel DDR4 2400/2666MHz
Max	32GB
Socket	2 x Long-DIMM

Graphics

VGA	Supports max resolution up to 1920x1200
LVDS	Dual Channel 24-bit, max resolution up to 1920x1200@60Hz
eDP	N/A
HDMI	Max resolution up to 4096x2160@24Hz
DVI-D	Max resolution up to 4096x2304@60Hz
DisplayPort	Max resolution up to 4096x2304@60Hz
Multi Display	Dual Display

Ethernet

Interface	10/100/1000 Mbps
Controller	1 x Intel I210, 1 x Intel I219V

Environment

Operating Temperature	0°C – 60°C
Storage Temperature	-40°C – 85°C

Rear I/O

VGA	1
DVI-D	1
HDMI	1
DisplayPort	1
Ethernet	2
USB	4 x USB3.1
Serial	1 x COM (RS-232/422/485)
Audio Jack	3 (Mic-in. Line-in. Line-out)
PS/2	1 x PS/2 combo

Internal Connector

USB	4 x USB2.0
LVDS	1
eDP	N/A
VGA	1
Serial	3 x COM(RS-232)
SATA	4x SATA3 (6.0Gb/s), one is shared with M.2 Key M
Parallel	1 (shared with GPIO)
GPIO	8 x GPI, 8 x GPO
SATA PWR Output Con	N/A
Speaker Header	1
TPM	1 x Header

Watchdog Timer

Output	From Super I/O to drag RESETCON#
Interval	256 segments, 0,1,2...255sec/min

Power Requirements

Input PWR	ATX PWR 24+8-pin
Power On	AT/ATX Supported AT : Directly PWR on as Power input ready ATX: Press Button to PWR on after Power input ready