

IMB-1311-L / IMB-1311-D

Micro-ATX Motherboard

Spotlight Features

- Socket LGA 1151 for Intel Core i7/i5/i3/Celeron
- Supports Dual Channel DDR4 4x Long-DIMM 2400/2666, up to 64GB
- 1 x VGA, 1 x DVI-D, 1 x HDMI, 1 x Displayport
1 x Dual Channel 24-bit LVDS (IMB-1311-L)
- 1 x DVI-D, 1 x HDMI, 1 x Displayport, 1 x eDP (IMB-1311-D)
- 6 x USB 3.1, 6 x USB 2.0, 6 x SATA3, 6 x COM
- 1 x PCIe x 16, 1 x PCIe x4, 2 x PCI, 1 x mini-PCIe
1 x M.2 Key E, 1 x M.2 Key M
- 2 x Intel LAN
- 1 x TPM 2.0 IC
- ATX PWR 24+8-pin
- Supports RAID function



IMB-1311-L



IMB-1311-D

Specifications

Processor System	IMB-1311-L	IMB-1311-D
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® Q370	

Expansion Slot	
PCIe	1 x PCIe x16 (Support riser card), 1 x PCIe x4
PCI	2
Mini-PCIe	1 x Full/Half mini-PCIe with PCIe x1 and USB 2.0
M.2	1x M.2 (Key E, 2230) with PCIe x1, CNVI and USB 2.0 for Wireless 1x M.2 (Key M, 2242/2260/2280) with PCIe x4 and SATA3 for SSD
mSATA	N/A

Memory	
Technology	Dual Channel DDR4 2400/2666 MHz
Max	64 GB
Socket	4 x Long-DIMM

Graphics		
VGA	Supports max resolution up to 1920x1200	N/A
LVDS	Supports max resolution up to 1920x1200@60Hz	N/A
eDP	N/A	Supports max resolution up to 4096x2304@60Hz
HDMI	Supports max resolution up to 4096x2160@24Hz	
DVI-D	Supports max resolution up to 1920x1200@60Hz	
DisplayPort	Supports max resolution up to 4096x2304@60Hz	
Multi Display	Triple Display	

Ethernet	
Interface	10/100/1000 Mbps
Controller	1 x Intel I210, 1 x Intel I219LM

Rear I/O	IMB-1311-L	IMB-1311-D
VGA	1	N/A
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	1x PS/2 combo	

Internal Connector		
USB	2 x USB 3.1, 6 x USB 2.0	
LVDS	1	N/A
eDP	N/A	1
VGA	1	N/A
Serial	5 x COM (RS-232)	
SATA	6 x 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 Onboard TPM 2.0 IC	

Watchdog Timer	
Output	From super I/O to drag RESETCON#
Interval	256 Segments, 0,1,2...255 Sec/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

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