

IMB-193

Mini-ITX Motherboard



Spotlight Features

- Socket LGA1151 for Intel® Core i7/i5/i3/Celeron (Skylake-S)
- Intel® Gen9 Intel® Graphics DX 11/12, OGL4.3/4.4
- Supports Dual Channel DDR4 2133MHz, 2 x SO-DIMM, up to 32GB system memory
- 2 x HDMI, 1 x Displayport, 1 x eDP
- 4 xUSB 3.0, 4 x USB 2.0, 2 x SATA3
- 1 x Mini-PCIe, 1 x PCIe x4 Slot , 1 x mSATA
- Gigabit LAN : 1 x Intel LAN, 1 x Realtek LAN
- 1 x TPM Header
- 19V DC-in

Specifications

Processor System	
Dimensions	Mini-ITX (6.7-in x 6.7-in)
CPU	Socket LGA1151 for Intel® Core i7/i5/i3/Celeron(Skylake-S)
Core Number	(By CPU, Max 4)
Max Speed	(By CPU)
L2 Cache	(By CPU)
Chipset	Intel® H110
BIOS	UEFI

Expansion Slot	
PCIe	1 x PCIe x4 slot
Mini PCIe	1 (half size, supports PCIe x1 and USB device)
mSATA	1 (full size, supports SATA and USB device)

Memory	
Technology	Dual Channel DDR4 2133MHz SDRAM
Max.	32GB
Socket	2 x SO-DIMM

Graphics	
Controller	Intel® Gen9 Graphics DX 11/12, OGL4.3/4.4
VRAM	Shared Memory
VGA	No
LVDS	No
eDP	Supports Max. resolution 4096 x 2160@60Hz
HDMI	Supports HDMI 1.4a, Max. resolution 4096 x 2160@30Hz
DVI	No
DisplayPort	Supports DP 1.2, Max. resolution 4096 x 2160@60Hz
Multi Display	Yes (Dual Display)

Ethernet	
Ethernet	10/100/1000 Mbps
Controller	1 x Intel® I219v , 1 x Realtek RTL8111G
Connector	2 x RJ45

SATA	
Max Data Transfer Rate	SATA3 (6.0Gb/s)

Rear I/O	
VGA	0
DVI	0
HDMI	2
DisplayPort	1
Ethernet	2
USB	4 x USB 3.0
Audio	2 (Mic-in. Line-out)
Serial	0
PS/2	0

Internal Connector	
USB	4 x USB 2.0 (2 x 2.54 pitch header)
LVDS/inverter	0/0
eDP	1
VGA	0
Serial	4 x RS-232 (COM1 supports RS-232/422/485)
SATA	2
mPCIe	1
Parallel	0
mSATA	1
IrDA	0
GPIO	4 x GPI, 4 x GPO
SATA PWR Output Con	1
Speaker Header	1

Watchdog Timer	
Interval	1,2...255 Sec

Power Requirements	
Input PWR	19V DC-in (DC Jack / 4-pin ATX PWR Con)
Power On	AT/ATX Supported AT : Directly PWR on as power input ready ATX : Press button to PWR on after power input ready

Environment	
Temperature	0°C – 60°C