



IMB-192

Mini-ITX Motherboard

Spotlight Features

- Supports Intel® 7th/ 6th Gen (Kabylake-S/Skylake-S) Core™ Processors (Socket 1151)
- Supports Dual Channel DDR4 SO-DIMM 2133, up to 32GB
- 1 x VGA, 1 x HDMI, 1 x LVDS
- 4 x USB 3.0, 5 x USB 2.0, 2 x SATA3, 2 x COM
- 1 x M.2 (Key E) , 1 M.2 (Key M)
- 1 x PCIe x4
- 1 x Intel® LAN
- 1 x TPM Header
- DC 19V power input

Specifications

Processor System

Dimensions	Mini-ITX (6.7-in x 6.7-in)
CPU	Supports Intel® 7 th / 6 th Gen (Kabylake-S/Skylake-S) Core™ Processors (Socket 1151)
Chipset	Intel® H110

Expansion Slot

PCIe	1 x PCIe x4
Mini-PCIe	N/A
M.2	1 x M.2 (Key E, 2230) with PCIe x1 and USB2.0 for Wireless 1 x M.2 (Key M, 2242/2260) with SATA3 for SSD
mSATA	N/A

Memory

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

Graphics

Controller	Intel® Gen9 Intel® Graphics DX 11/12, OGL4.3/4.4
VGA	Supports max resolution up to 1920 x 1200 @ 60Hz
LVDS	Supports max resolution up to 1920 x 1200@60Hz
eDP	Supports max resolution up to 4096 x 2160 @60Hz
HDMI	Supports max resolution up to 4K x 2K (4096x2160) @ 24Hz / (3840x2160) @ 30Hz
DVI	N/A
DisplayPort	N/A
Multi Display	Dual Display

Ethernet

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

Rear I/O

VGA	1
DVI	N/A
HDMI	1
DisplayPort	N/A
Ethernet	1
USB	4 x USB 3.0
Audio Jack	2 (Mic-in, Line-out)
Serial	N/A
PS/2	N/A

Internal Connector

USB	5 x USB 2.0 (2 x Header, 1 x Type A)
LVDS	1
eDP	N/A
VGA	N/A
Serial	2 x COM (RS-232)
SATA	2 x SATA3
Parallel	N/A
GPIO	N/A
SATA PWR Output Con	1
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	19V phone jack DC-In
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