



# IMB-192

Mini-ITX Motherboard

## Spotlight Features

- Supports Intel® 7<sup>th</sup>/6<sup>th</sup> 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 <sup>th</sup> /6 <sup>th</sup> 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

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508  
Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050  
Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28  
Business Registration Number: 07699660