ASRock intel

IMB-792
ATX Motherboard

Spotlight Features

- Supports Intel® 7th/ 6th Gen (Kabylake-S/Skylake-S) Core™ Processors (Socket 1151)
- Supports Dual Channel DDR4 2133MHz, up to 32GB
- 1 x VGA, 1 x HDMI
- 4 xUSB 3.0, 5 x USB 2.0, 4 x SATA3, 10 x COM
- 1 x PCIe x16, 1 x PCIe x4, 5 x PCI,
- 1 x mSATA, 1 x M.2 (KEY M)
- 2 x Intel LAN
- 1 x TPM Header
- ATX PWR 24+8-pin

Specifications

Processor System

Dimensions	ATX (12-in x 9.6-in)
CPU	Supports Intel® 7th/ 6th Gen (Kabylake-S/Skylake-S) Core™ Processors
Chipset	Intel® H110

Expansion Slot

PCIe	1 x PCIe x16, 1 x PCIe x4
PCI	5
mini-PCIe	N/A
mSATA	1 x full size with shared SATA3 and USB 2.0
M.2	1x M.2 (Key M, 2242/2260/2280) with shared SATA3 for SSD

Memory

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

Graphics

Controller	Intel® Gen9 Graphics DX 11/12, OGL4.3/4.4
VGA	Supports max resolution up to 1920x1200@60Hz
LVDS	N/A
eDP	N/A
HDMI	Max resolution up to 4096x2160@30Hz
DVI	N/A
DisplayPort	N/A
Multi Display	Dual Display

Ethernet

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

Rear I/O

VGA	1
DVI	N/A
HDMI	1
DisplayPort	N/A
Ethernet	2
USB	2 x USB3.0, 2 x USB2.0
Serial	2 x COM (RS-232/422/485)
Audio Jack	3 (Mic-in. Line-in. Line-out)
PS/2	2 (1 x keyboard, 1 x mouse)

Internal Connector

USB	2 x USB3.0, 3 x USB2.0
LVDS	N/A
eDP	N/A
VGA	N/A
Serial	8 x COM(RS-232)
SATA	4x SATA3, one is shared with M.2 Key M, one is shared with mSATA
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

Environment

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