

# IMB-195

## Mini-ITX Industrial M/B w/ Intel H110 Chipset LGA1151 Core i7/i5/i3 Skylake-S CPU, PCIe16 VGA/HDMI/DP, 2LAN, 4USB3/4USB2, 4COM



### Features

- Socket LGA1151 for Intel Core i7/i5/i3/Celeron (Kabylake-S , Skylake-S) with Intel H110 Chipset
- 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
- 3 x COM (RS-232/422/485), 3 x COM (RS-232)
- 1 x VGA, 1 x HDMI, 1 x DP, 1 x LVDS ( Dual Display)
- 2 x USB 3.0, 8 x USB 2.0, 4 x SATA3
- 1 x mSATA, 1x Mini-PCIe, 1 x PCIe16
- 2 x Intel Gigabit LAN, 1 x TPM Header
- 1 x ATX PWR Connector (24+4-pin)

## Specifications

IMB-195 Key Features		IMB-195-i7K / i7S	IMB-195-i5K / i5S	IMB-195-i3K / i3S
Processor System	CPU Cores	i7-7700 / i7-6700, 4-Core	i5-7500 / i5-6500, 4-Core	i3-7101E / i3-6100, 2-Core
	Speed / Cache/ TDP	3.6G/3.4G / 8MB / 65W	3.4G/3.2G / 6MB / 65W	3.9G/3.7G / 4MB / 54W/51W
	Chipset	H110		
	BIOS	AMI UEFI		
Expansion Slot	PCIe x 16	1 x PCIe (x16)		
	Mini-PCIe	1 x full-size Mini-PCIe		
	mSATA	1 x full-size for mSATA		
Memory	Specification (SO-DIMM)	2 x Dual Channel DDR3-1066/1333/1600 MHz SDRAM		
	Max. Capacity	32 GB system memory		
Graphics	VGA	Supports max resolution up to 1920x1200 @ 60Hz		
	HDMI	Supports max resolution up to 4096x2160 @ 60Hz		
	DisplayPort	Supports max resolution up to 4096x2160@60Hz		
	LVDS	24 bit dual channel LVDS, max resolution up to 1920x1200@60Hz		
Ethernet	Interface Controller	GbE LAN1: Intel I219V , LAN2: Intel I210		
	Connector	2 x RJ-45		
SATA	SATA III	4 x SATA3 (6.0Gb/s)		
System Rear I/O	VGA	1 x DB9		
	HDMI	1 x HDMI		
	DisplayPort	1 x DP		
	Ethernet	2 x RJ45		
	USB	4 x USB 3.0		
	Audio	1 x Audio ports (Mic-in, Line-out)		
Internal Connector	Serial	2 x DB9 (1x RS-232/422/485, 1x RS-232)		
	USB 2.0	4 x USB 2.0 ( 3 x 2.54 pitch 2x5-10pin header)		
	LVDS	1 x 24 bit dual channel LVDS		
	Serial	2 x RS-232 by 2.0 pitch 2x5-10pin box header		
	SATA	4 x SATA3 (one SATA shared with mSATA)		
	m-SATA	1 x full-size		
	GPIO	4 x GPI + 4 x GPO		
	SATA PWR Connector	0		
	Speaker Header	1		
Watchdog Timer	Output	Output from super I/O to drag RESETCON#		
	Interval	256 Segments, 0,1,2...255 Sec/Min		
Power Requirements	Input PWR	ATX PWR (4 + 24)		
	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	Operating	None-operating	
		0 ~ 60°C ( 32 ~ 140°F )	-40 ~ 85°C ( -40 ~ 185°F )	
Physical Size	Dimensions	170mm(W) x 170mm(D)		