

IMB-191

Mini-ITX Industrial M/B w/ Intel H110 Chipset LGA1151 Core i7/i5/i3 Skylake-S CPU, PCIe4 2HDMI, 2LAN, 4USB3/4USB2, 4COM, DC-IN



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
- 4 x COM (COM1/2 RS-232/422/485, COM3/4 RS-232)
- 2 x HDMI, 1 x VGA, 1 x LVDS (Dual Display)
- 4 x USB 3.0, 4 x USB 2.0, 2 x SATA3
- 1 x mSATA, 1x Mini-PCle, 1 x PCIe4
- 2 x Intel Gigabit LAN, 1 x TPM Header
- 12V / 19~24V DC-IN by ATX-12V Connector (4-pin)

Specifications

IMB-191 Key Features		IMB-191-i7K / i7S	IMB-191-i5K / i5S	IMB-191-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 4	1 x PCIe (x4)		
	Mini-PCle	1 x half-size Mini-PCle		
	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 1920x1200		
	HDMI	Supports HDMI 1.4a max resolution up to 4096x2160 @ 30Hz		
	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	HDMI	2 x HDMI		
	Ethernet	2 x RJ45		
	USB	4 x USB 3.0		
	Audio	1 x Audio ports (Mic-in, Line-out)		
	USB 2.0	4 x USB 2.0 (3 x 2.54 pitch 2x5-10pin header)		
Internal Connector	LVDS	1 x 24 bit dual channel LVDS		
	Serial	4 x RS-232 by 2.0 pitch 2x5-10pin box header (COM1,2 support RS-232/422/485)		
	SATA	4 x SATA3		
	Mini-PCle	1 x half-size Mini-PCle		
	m-SATA	1 x full-size		
	GPIO	4 x GPI + 4 x GPO		
	SATA PWR Connector	1		
	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	12V / 19-24V DC-IN (DC-Jack / 4-pin ATX PWR Connector)		
	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)		