

# AIS-3091 Series

Mini-ITX Fanless Skylake-S Platform H110  
LGA1151 for Intel Core i7/i5/i3 CPU, PClex4  
2HDMI, 2LAN, 4COM, 4USB3/4USB2, DC-Input



## Features

- Fanless Mini-ITX system with Intel H110 Chipset, supports Socket LGA-1151 Intel Core i7/i5/i3 (Skylake-S, Kblake-S) Processors
- Dual Channel DDR4, 2 x SO-DIMM, up to 32GB system memory
- Dual display 2x HDMI, Dual LAN by Intel 219V, i210
- 4x COM (COM1/2 support RS-232/422/485, COM3/4 RS-232)
- 4 x USB 3.0 on rear, 4 x USB 2.0 on rear (option 8x USB on rear)
- One 2.5" HDD space for SATA SSD/HDD
- One PClex4 slot for add-on card expansion ( length up to 20cm)
- DC 12V / 19 ~ 24V input
- 0°C ~ 50°C harsh operation environment

## Specifications

AIS-3091 Series Key Features		AIS-3091-7T-M0-00P0	AIS-3091-5E-M0-00P0	AIS-3091-3E-M0-00P0
Processor System	CPU (SKL-S / KBL-S)	i7-7700T	i5-6500TE	i3-6100TE
	Cache / Core	8MB, 4-Core	6MB, 4-Core	4MB, 2-Core / 3MB, 2-Core
	Frequency	2.9GHz	2.3GHz	2.7GHz
	TDP	35W		
Expansion Slot	Chipset	Intel H110		
	Mini-PCIe	1 x full-size		
	mSATA	1 x full-size		
Memory	Riser for PCIe(x4)	1 x PCIe(x4) riser, supports PClex4 add-on card length up to 200mm		
	Specification (SO-DIMM)	2 x Dual Channel DDR4-2133 MHz SO-DIMM		
	Max. Capacity	Up to 32 GB system memory		
Graphics	HDMI	Supports resolution up to 4096x2160 @ 30Hz		
Ethernet	Interface Controller	Dual GbE, 1 x Intel I219V, 1 x Intel I210		
	Connector	2 x RJ-45		
SATA	SATA 3	2 x SATA3 ( 6.0 Gb/s)		
	HDMI	2 x HDMI		
System Rear I/O	Ethernet	2 x RJ45		
	USB ( IMB I/O shield)	4 x USB3.0		
	Serial	4 x COM (COM1/COM2 RS-232/422/485, COM3/COM4 RS-232)		
	Audio	1 x Audio ports (Mic-in, Line-out)		
System Storage	HDD Driver Space	1 x HDD Space for one 2.5" HDD		
	GPIO	1 x DB-9 or DB-15 for 4 x GPI + 4 x GPO by inquiry		
Optional Features on Rear I/O	LVDS	1 x LVDS (DB-26) by inquiry		
	3W Speaker Output	1 x DB9 for 3W speaker output by two 2-pin connector, L+/L-, R+/R-		
	Power On-Off Switch	1 x Soft switch		
System Front Bezel	Power LED	1x LED for system power status		
	HDD LED	1x LED for HDD data access status		
Operation System	Windows 10	Win10 IoT 64-bit ( SKL-S)		
	Windows 8/8.1	Windows 8, Windows 8.1 32-bit, 64-bit		
	Windows 7	Win 7, WS7E, WS7P 32-bit, 64-bit		
Watchdog Timer	Output and Interval	System reset, programmable 1-255 sec/min; 1 sec. or 1min. / step		
System Power	DC Input	1 x 2-pin phoenix connector for DC 12V / 19-24V input		
Environment	Operating Temperature	0 ~ 50°C ( 32 ~ 122°F )		
	Air Flow Condition	45 ~ 50°C ( 32 ~ 122°F ) with 0.7m/s air flow		
	Storage Temperature	-40 ~ 85°C ( -40 ~ 185°F )		
Physical Size	Dimensions	230mm(W) x 209mm(D) x 106mm(H)		
Packing Size	Dimensions	310mm(W) x 310mm(D) x 180mm(H)		
Weight	N.W. / G.W.	4.5Kg / 5.0Kg		
Certifications	EMC	CE, FCC Class B		

