

# AIS-3295 Series

Mini-ITX Fanless Skylake-S Platform H110  
LGA1151 for Intel Core i7/i5/i3 CPU, PCIe x16  
VGA/HDMI/DP, 2LAN, 2COM, 8USB, DC-Input



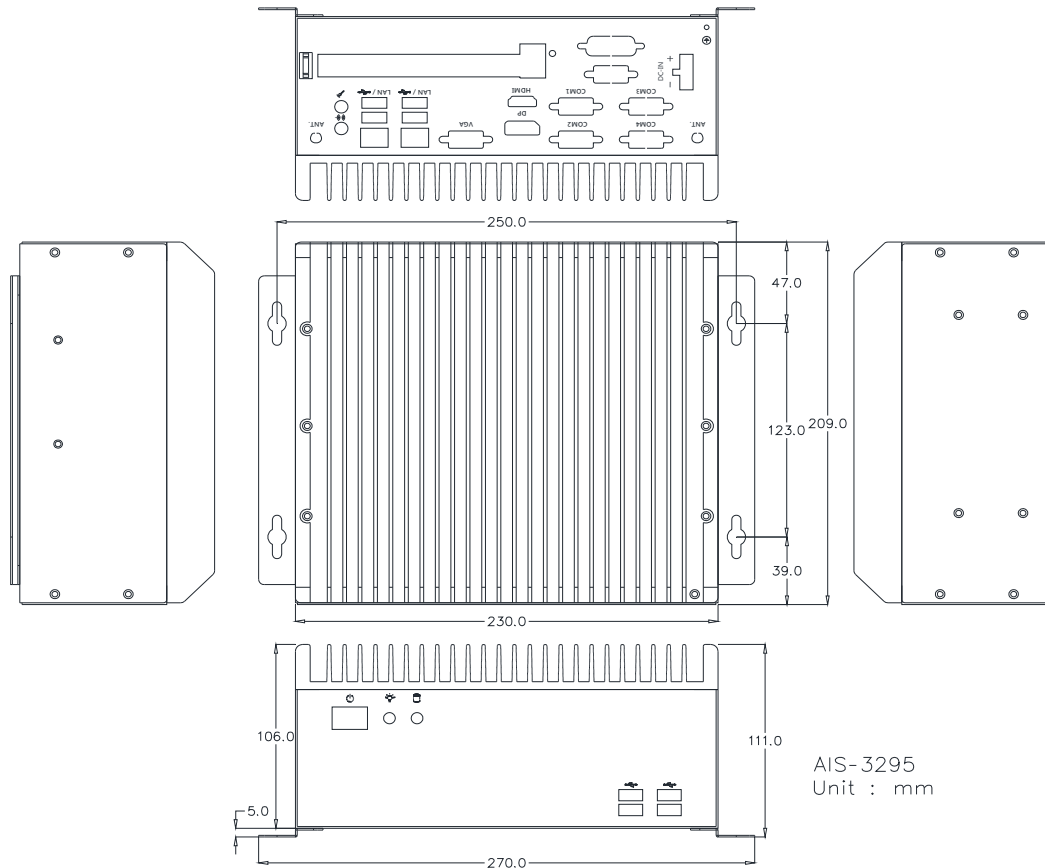
## Features

- 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 VGA/HDMI/DP, Dual LAN by Intel I219V, I210
- 2 x COM(1xRS-232/422/485, 1xRS-232), option 2xCOM(RS-232)
- 4 x USB 3.0 on rear, 4xUSB 2.0 on front. One 2.5" HDD space
- One PCIe x16 slot for add-on card (up to 20cm) expansion
- DC 12V ~ 24V input with short circuit protection
- 0°C ~ 50°C harsh operation environment

## Specifications

AIS-3295 Series Key Features		AIS-3295-7T-M0-00P0	AIS-3295-5E-M0-00P0	AIS-3295-3E-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
	Frequency	2.9GHz	2.3GHz	2.7GHz
	TDP	35W		
Expansion Slot	Chipset	Intel H110		
	Mini-PCIe	1 x half-size / full-size ( co-exit )		
	mSATA	1 x full-size		
Memory	Riser for PCIe(x16)	1 x PCIe x16 riser, supports PCIe x16 add-on card, card length up to 200mm		
	Specification (SO-DIMM)	2 x Dual Channel DDR4-2133 MHz SO-DIMM		
Graphics	Max. Capacity	Up to 32 GB system memory		
	VGA	Supports resolution up to 1920x1200 @ 60Hz		
Ethernet	HDMI	Supports resolution up to 4096x2160 @ 30Hz		
	DP	Supports resolution up to 4096x2160 @ 60Hz		
SATA	Interface Controller	Dual GbE, 1 x Intel I219V, 1 x Intel I210		
	Connector	2 x RJ-45		
System Rear I/O	SATA 3	4 x SATA3 ( 6.0 Gb/s)		
	VGA	1 x VGA(DB15)		
	HDMI	1 x HDMI		
	DP	1 x DP		
	Ethernet	2 x RJ45		
	USB ( IMB I/O shield)	4 x USB3.0		
	Serial (IMB I/O shield)	2 x COM (COM1 RS-232/422/485 are selectable by BIOS, COM2 RS-232)		
Optional Features on Rear I/O	Audio	1 x Audio ports (Mic-in, Line-out)		
	CAN Bus	1 x DB9 for CAN Bus by inquiry		
System Front Bezel	HDD Driver Space	1 x HDD Space for one 2.5" HDD (Option HDD2 cadge for two 2.5" HDD if w/o add-on card)		
	Power On-Off Switch	1 x Soft switch		
	Power LED	1 x LED for system power status		
	HDD LED	1 x LED for HDD data access status		
Operation System	COM3/COM4	2 x COM ( RS-232) by DB9		
	GPIO	1 x DB-9 or DB-15 for 4 x GPI + 4 x GPO by inquiry		
	LVDS	1 x LVDS (DB-26) by inquiry		
Watchdog Timer	CAN Bus	1 x DB9 for CAN Bus by inquiry		
	Power On-Off Switch	1 x Soft switch		
	Power LED	1 x LED for system power status		
Environment	HDD LED	1 x LED for HDD data access status		
	USB 2.0	4 x USB 2.0		
	Windows 10	Win10 64-bit IoT Ent LTSB 2016 ( SKL-S)		
System Power	Windows 8/8.1	Windows 8, Windows 8.1 32-bit, 64-bit		
	Windows 7	Win 7, WS7E, WS7P 32-bit, 64-bit		
Environment	Output and Interval	System reset, programmable 1-255 sec/min; 1 sec. or 1min. / step		
	DC Input	1 x 2-pin phoenix connector for DC 12V ~ 24V input with short circuit protection		
	Operating Temperature	0 ~ 40°C ( 32°F ~ 104°F )	0 ~ 50°C ( 32°F ~ 122°F )	
Physical Size	Air Flow Condition	40 ~ 50°C ( 104°F ~ 122°F )	50 ~ 55°C ( 122°F ~ 131°F ) with 0.7m/s air flow	
	Storage Temperature	-40 ~ 85°C ( -40°F ~ 185°F )		
Packing Size	Dimensions	230mm(W) x 209mm(D) x 106mm(H)		
Weight	Dimensions	310mm(W) x 310mm(D) x 180mm(H)		
	N.W. / G.W.	4.5Kg / 5.0Kg		
Certifications	EMC	CE, FCC Class B		

## Dimension Drawing



## Ordering Information

Part Number	CPU	VGA/HDMI/DP	PCIex16	GbE	UBS 3.0	USB 2.0	COM	DDR4 Memory	SSD/HDD
AIS-3295-7T-M0-H00P0	i7-7700T	1	1	2	4	4	2	Option	Option
AIS-3295-5E-M0-H00P0	i5-6500TE	1	1	2	4	4	2	Option	Option
AIS-3295-5E-M8-S12DP0	i5-6500TE	1	1	2	4	4	2	8GB	128GB TLC
AIS-3295-5E-M8-H1TP0	i5-6500TE	1	1	2	4	4	2	8GB	1TB HDD
AIS-3295-3E-M0-00P0	i3-6100TE	1	1	2	4	4	2	Option	Option
AIS-3295-3E-M4-H1TP0	i3-6100TE	1	1	2	4	4	2	4GB	1TB HDD

## Optional Items

Part Number	Description
SODIMM-DDR4-4GB/8GB	204-Pin SODIMM DDR4-2133, 4GB/8GB
MSD-m64L / m12L	mSATA SSD Module interface SATA III (6.0Gb/s), MLC, Toshiba TSOP 19mn, 64GB / 128GB
MSD-m12D / m25D	mSATA SSD Module interface SATA III (6.0Gb/s), 3D-TLC 128GB / 256GB
SSD-S64L/S12L/S25L	2.5" SATA3 SSD MLC, 64GB/128GB/256GB
SSD-S12D/S25D/S51D	2.5" SATA3 3D-TLC, 128GB/256GB/512GB
SAHDD-H1T	2.5" SATA HDD 1TB, 7200RPM, 7x24 WD
FARO-HS/FS	Mini-PCIe Half-size/Full-size CANbus Module, 2 High Speed CAN Channels, Compliant with 2.0A/B
AIS-WM-BK	AIS Chassis Wall Mount Bracket Kits, Black, with Screws L=178mm
AIS-VESA	AIS VESA Mount Bracket Kits for VESA 75/100
AES-DHAN3-60W-2P	AC-DC 12V@5A 60W Adapter, with 2-pin Terminal Block