

AIS-3294 Series

Mini-ITX Fanless System Skylake-S Q170
LGA1151 for Intel Core i7/i5/i3 CPU, 2PCIe x8
VGA/HDMI/DP, 2LAN, 2COM, 8USB, DC-Input



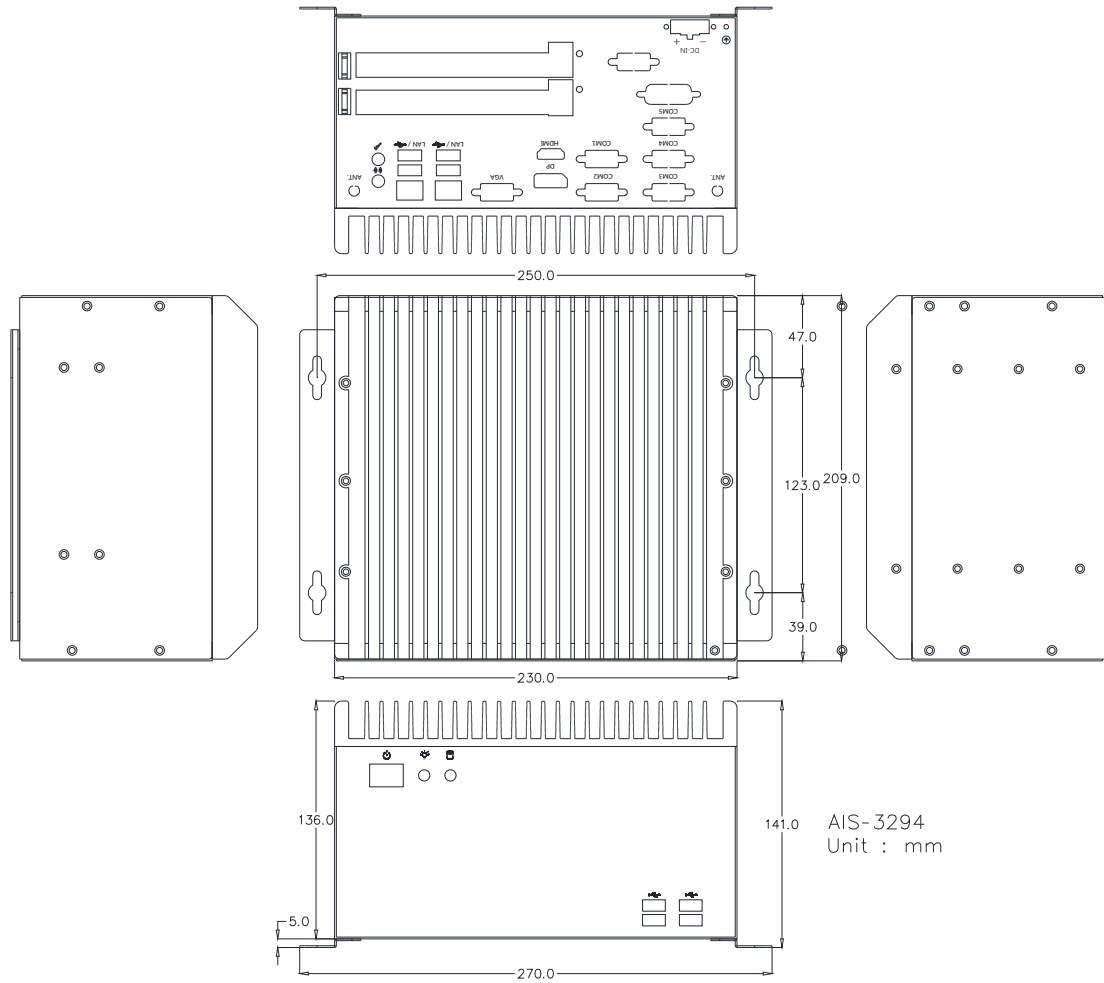
Features

- Fanless Mini-ITX system with Intel Q170 Chipset, supports Intel Core i7/i5/i3 (Skylake S, Kaby Lake) Processors
- Dual Channel DDR4, 2 x SO-DIMM, up to 32GB system memory
- Triple display VGA/HDMI/DP, Dual LAN by Intel I219LM, I210
- 2 x COM(1xRS-232/422/485, 1xRS-232), 1 x TPM 2.0 onboard
- 4 x USB 3.0 on rear, 4 x USB 2.0 on front. One 2.5" HDD space
- Two PCIe x8 slots for add-on card (up to 20cm length) expansion
- DC +12V input power and with max. 12V/12.5A output
- 0°C ~ 50°C harsh operation environment

Specifications

AIS-3294 Series Key Features		AIS-3294-7T-M0-00P0	AIS-3294-5T/ 5E-M0-00P0	AIS-3294-3E-M0-00P0
Processor System	CPU (SKL-S / KBL-S)	i7-7700T	i5-7500T / i5-6500TE	I3-6100TE
	Cache / Core	8MB, 4-Core	6MB, 4-Core	4MB, 2-Core
	Frequency	2.9GHz	2.7GHz / 2.3GHz	2.7GHz
	TDP	35W		
Expansion Slot	Chipset	Intel Q170		
	Mini-PCIe	1 x full-size		
	mSATA	1 x full-size		
Memory	PCIE x8	2 x PCIe x8 slots, support two PCIe x8 add-on cards, 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		
	HDMI	Supports resolution up to 4096x2160 @ 30Hz		
Ethernet	DP	Supports resolution up to 4096x2160 @ 60Hz		
	Interface Controller	Dual GbE, 1 x Intel I219LM, 1 x Intel I210		
SATA	Connector	2 x RJ-45		
	SATA 3	4 x SATA3 (6.0 Gb/s)		
System Rear I/O	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)		
System Storage	Audio	1 x Audio ports (Mic-in, Line-out)		
	HDD Driver Space	1 x HDD Space for one 2.5" HDD		
Optional Features on Rear I/O	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		
	3W Speaker Output	1 x DB9 for 3W speaker output by two 2-pin connector, L+/L-, R+/R-		
System Front Bezel	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		
	USB 2.0	4 x USB 2.0		
Operation System	Windows 10	Win10 IoT 64-bit, Ent LTSC 2016, Ent LTSC 2019		
	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 DC12V Input (150W)		
	DC150W PSU	Input 12VDC, output +5V/8A (+5VSB 2A), +3.3V/8A (+5V/+3.3V Max. 65W), +12V max 12.5A		
Environment	Operating Temperature	0 ~ 50°C (32 ~ 122°F)		
	Air Flow Condition	45 ~ 50°C (113 ~ 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 136 mm(H)		
Packing Size	Dimensions	330mm(W) x 330mm(D) x 220mm(H)		
Weight	N.W. / G.W.	4.5Kg / 5.0Kg		
Certifications	EMC	Before end of Q2/2020		

Dimension Drawing



Ordering Information

Part Number	CPU	VGA/HDMI/DP	PClex8	GbE	UBS 3.0	USB 2.0	COM	Memory	HDD/SSD	DC-Input
AIS-3294-7T-M0-H00P0	i7-7700T	1	2	2	4	4	2	Option	Option	+12V
AIS-3294-5T-M0-H00P0	i5-7500T	1	2	2	4	4	2	Option	Option	+12V
AIS-3294-5E-M0-H00P0	i5-6500TE	1	2	2	4	4	2	Option	Option	+12V
AIS-3294-3E-M0-H00P0	i3-6100TE	1	2	2	4	4	2	Option	Option	+12V

Optional Items

Part Number	Description
SODIMM-DDR4-8GB	204-Pin SODIMM DDR4-2133, 8GB
MSD-m64 / m128	mSATA SSD Module interface SATA III (6.0Gb/s), MLC, Toshiba TSOP 19mn, 64GB / 128GB
SSD-S64/S128/S256	2.5" SATA3 SSD MLC, 64GB/128GB/256GB
SSD-T128/T256/T512	2.5" SATA3 SSD 3D-TLC, 128GB/256GB/512GB
Win 10 2019 LTSC	Win 10 IoT Ent 2019 LTSC High End / Value / Entry
AIS-WM-BK	AIS Chassis Wall Mount Bracket Kits, Black, with Screws L=178mm
UB-120LN	PClex1 USB 3.0 4-port add-on card
ESPL-G4P1	PCIe to four isolated PoE/PoE+ Module