

AIS-3032 Series

Mini-ITX Fanless Raptor Lake-S Platform H610
LGA1700 for Intel 14th/13th/12th Core i9/i7/i5 CPU
HDMI/2DP, 2LAN, 4COM, 2USB3/10USB2, DC-IN



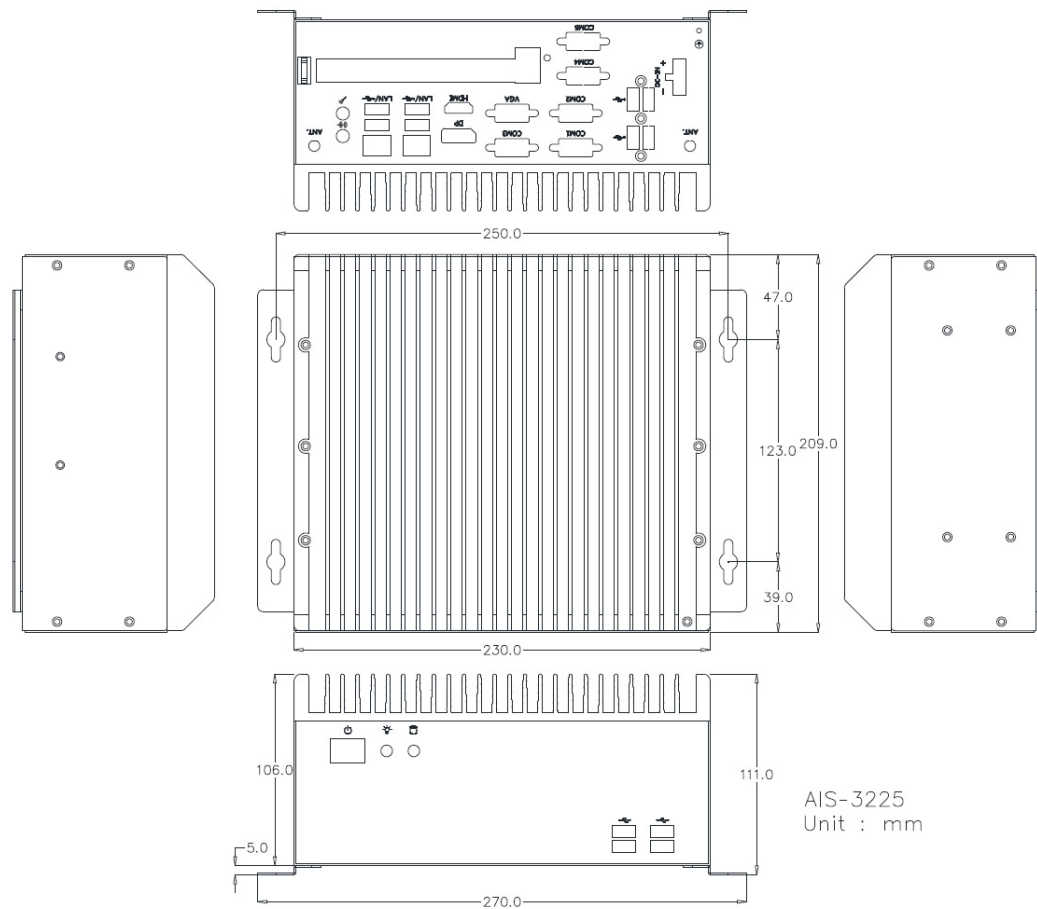
Features

- Fanless Mini-ITX system w/Intel H610 Chipset, supports Socket LGA-1700 Intel 14th/13th/12th Core i9/i7/i5/i3 Processors
- Dual Channel DDR4, 2 x SO-DIMM, up to 64GB system memory
- Triple display HDMI/DP1/DP2, Dual 2.5G LAN by Intel I225LM/V
- 4x COM(COM1/2 by RS-232/422/485, COM3/4 by RS-232)
- 1x PCIe16 slot for add-on card (up to 20CM) w/dual slot space
- Option 2x PCIe8 slot for two add-on cards
- 2x USB3/USB2 are on rear I/O, 4x USB2 on front bezel
- DC-IN 12V ~ 28V input by DC-Jack (Screw type)
- 0°C ~ 50°C harsh operation environment

Specifications

AIS-3225 Series Key Features		AIS-3032-9E	AIS-3032-7E	AIS-3032-5E	AIS-3032-3E
Processor System	CPU (Comet Lake-S)	i9-13900TE	i7-13700TE	i5-13500TE	i3-13100TE
	Cache / Core	36MB, 24-Core/32T	30MB, 16-Core/24T	24MB, 14-Core/20T	12MB, 4-Core/8T
	Base / Max Frequency	1.0GHz / 5.0GHz	1.1GHz / 4.8GHz	1.3GHz / 4.5GHz	2.4GHz / 4.1GHz
	TDP	35W			
	Chipset	Intel H610			
Expansion Slot	M.2 (KEY M)	1 x M.2 (2242/2260/2280) with PCIe Gen3 x4 for SSD			
	M.2 (KEY B)	1 x M.2 (3042/3052) with PCIe1, USB 3.2 Gen1, USB 2.0 and SIM for 4G/5G			
	M.2 (KEY E)	1 x M.2 (2230) with PCIe1, USB 2.0 for Wireless			
	Riser for PCIe(x16)	Supports one PCIe16 slot which is with 2-slot space(option two PCIe8)			
Memory	Specification (SO-DIMM)	2 x Dual Channel DDR4-2933 MHz SO-DIMM		2 x DDR4-2666 MHz	
	Max. Capacity	Up to 64 GB system memory			
Graphics	HDMI	HDMI 2.0b, maximum resolution up to 4096x2160 @ 60Hz			
	DP	2x DisplayPort 1.4a, DP++, maximum resolution up to 4096x2160 @ 60Hz			
Ethernet	Interface Controller	Dual 2.5G LAN, Intel I225LM/1225V with 10/100/1000/2500 Mbps			
	Connector	2 x RJ-45			
SATA	SATA 3	2 x SATA3 (6.0 Gb/s)			
System Rear I/O	HDMI	1 x HDMI			
	DP	2 x DP			
	Ethernet	2 x RJ45			
	USB (IMB I/O shield)	2 x USB 3.0, 2 x USB 2.0			
	USB (expansion by Hub)	4 x USB 2.0			
	Serial (IMB I/O shield)	4 x COM (COM1/2 by RS-232/422/485, COM3/4 by RS-232 only)			
System Storage	Audio	1 x Audio ports (Mic-in, Line-out)			
	HDD Driver Space	1 x HDD Space for one 2.5", option HDD2 cadge for two 2.5" HDD(w/o PCIe16 feature)			
Optional Features on Rear I/O	USB 2.0	4 x USB 2.0 by internal USB 2.0 HUB			
	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			
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 64-bit IoT Ent 2016 LTSC or 2019 LTSC			
Watchdog Timer	Output and Interval	System reset, programmable 1-255 sec/min; 1 sec. or 1min. / step			
System Power	DC Input	1 x DC-Jack with lockable type for DC 12V ~ 28V input			
Environment	Operating Temperature	0 ~ 50°C (32°F ~ 122°F)			
	Air Flow Condition	50 ~ 55°C (122°F ~ 131°F) with 0.7m/s air flow			
	Storage Temperature	-40 ~ 85°C (-40°F ~ 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	N/A			
	LVD	N/A			

Dimension Drawing



Ordering Information

Part Number	CPU	HDMI/DP	PCIex16	2.5G LAN	UBS 3.0	USB 2.0	COM	DDR4 Memory	SSD/HDD
AIS-3032-9E-M0-H00P0	i9-13900TE	1/2	1	2	2	10	4	Option	Option(single)
AIS-3032-7E-M0-H00P0	i7-13700TE	1/2	1	2	2	10	4	Option	Option(single)
AIS-3032-5E-M0-H00P0	i5-13500TE	1/2	1	2	2	10	4	Option	Option(single)
AIS-3032-3E-M0-H00P0	i3-13100TE	1/2	1	2	2	10	4	Option	Option(single)

Optional Items

Part Number	Description
SODIMM-DDR4-4GB/8GB	204-Pin SODIMM DDR4-2133, 4GB/8GB
M2-Q12D/Q25D/Q51D(2280)	M.2 PCIe Gen3x4, 2280 128GB/256GB/512GB 3D-TLC (M-KEY)
S32L/S64L/S12L	2.5" SATA SSD 32GB/64GB/128GB MLC
S32D/S64D/S12D	2.5" SATA SSD 32GB/64GB/128GB 3D-TLC
968TW16VLE	Win 10 IoT Ent LTSB 2016 Value EPKEA
968TW19VLE	Win 10 IoT Ent 2019 LTSC Value EPKEA
AC-9260	M.2 2230 (E-KEY) Wi-Fi Module, Intel AC9260 802.11abgn + Bluetooth 5.0, dual band 2T2R
AIS-WM-BK	AIS Chassis Wall Mount Bracket Kits, Black, with Screws L=178mm
AES-DHAN3-60W-2P	AC-DC 12V@5A 60W Adapter, with 2-pin Terminal Block