

# AIS-3061 Series

Mini-ITX Fanless Box PC w/ Intel H610 Chip  
Intel 14<sup>th</sup>/13<sup>th</sup>/12<sup>th</sup> LGA1700 Core i9/i7/i5/i3 CPU  
VGA/HDMI/DP 2LAN, 2COM, 4USB3/4USB2  
DC-IN +12V/19~24V



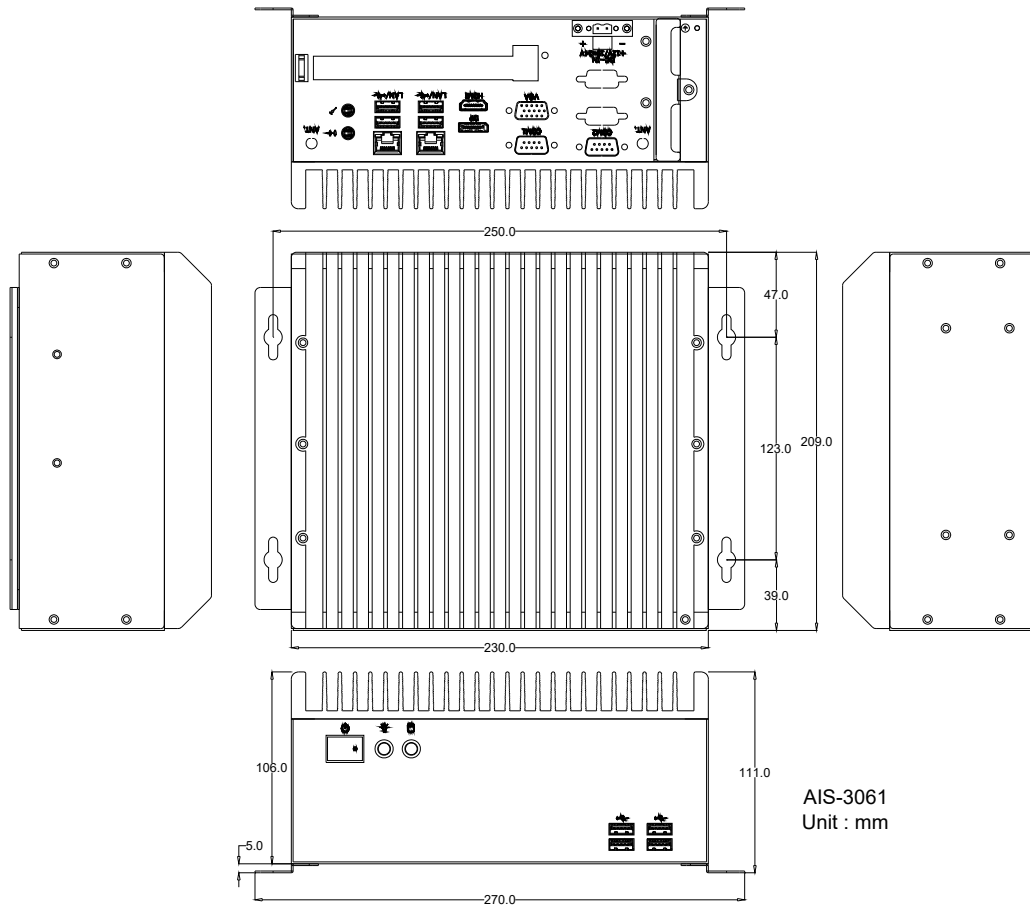
## Features

- Fanless Mini-ITX system with Intel H610 Chipset, supports Socket LGA-1700 Intel Core i9/i7/i5/i3 Alder Lake-S Processors
- Dual Channel DDR4 3200MHz, 2 x SO-DIMM, total Max. 64GB
- Triple display VGA/HDMI/DP, 2LAN by Intel GbE I219V, 2.5GbE I226V
- COM1 RS-232/422/485 & RI/5V/12V, COM2 by RS232
- 4 x USB 3.2 on rear I/O, 4 x USB 2.0 on front bezel
- 1 x M.2 2280 M-Key(PCIe x4), 1 x 2230 M.2 E Key(WiFi/BT)
- One removable 2.5" HDD/SSD tray
- DC +12V/ 19V ~ 24V input
- 0°C ~ 50°C harsh operation environment

## Specifications

AIS-2061 Series Key Features		AIS-3061-7E-M0-00P0	AIS-3061-5E-M0-00P0	AIS-3061-3E-M0-00P0
Processor System	CPU (SKL-S / KBL-S)	i7-12700TE	i5-12500TE	i3-12100TE
	Cache / Core	25MB, 12-Core/20-Thread	18MB, 6-Core/12-Thread	5MB, 4-Core/8-Thread
	Base / Max Frequency	1.4GHz / 4.6GHz	1.9GHz / 4.3GHz	2.1GHz / 4.0GHz
	TDP	35W		
Expansion Slot	Chipset	Intel H610		
	M.2 E-Key	1 x M.2 2230 E-Key (WiFi/BT)		
	M.2 M-Key	1 x M.2 2280 M-Key by PCIe x4(easy installation on soldering side)		
	PCIex16	1 x PCIex16 expansion slot for PCIex16 add-on card (card length up to 200mm)		
Memory	Specification (SO-DIMM)	2 x Dual Channel DDR4-3200 MHz SO-DIMM		
	Max. Capacity	Up to 64 GB system memory		
Graphics	HDMI	1 x HDMI 2.0, supporting maximum resolution of 4096x2160 @ 60Hz		
	DP	1 x DP, supporting maximum resolution of 4096x2160 @60Hz		
	VGA	1 x VGA, supporting maximum resolution of 1920x1200 @60Hz		
Ethernet	Interface Controller	1 x GbE by Intel i219V, 1 x 2.5GbE by Intel i226V		
	Connector	2 x RJ-45		
SATA	SATA 3	2 x SATA3 ( 6.0 Gb/s) Ports		
System Rear I/O	VGA/HDMI/DP	1 x VGA, 1 x HDMI, 1 x DP		
	Ethernet	2 x RJ45 ( 1 x GbE, 1 x 2.5GbE)		
	USB	4 x USB3.0		
	COM1/COM2	1 x COM1 by RS-232/422/485, 1 x COM2 by RS-232		
	Audio	1 x Audio ports (Line-out, Mic-in)		
	Removable HDD Tray	1 x removable HDD Tray for a 2/5" HDD/SSD		
	Expansion slot	1 x PCIex16 expansion slot for add-on card, card length up to 200mm		
	Wi-Fi	Option (1 x M.2 2230, 2x2 AC+BT with 2 Antenna for WF model)		
System Storage	HDD Driver Space	1 x HDD Tray for one 2.5" HDD/SSD, 1 x internal 2.5" HDD/SSD, 1 x M.2 2280 NVMe		
Optional Features on Rear I/O and Bezel	DIO	1 x DB9 for DIO(8-bits)		
	2W Speaker Output	1 x DB9 for 2W speaker output by two 2-pin connectors, L+/L-, R+/R-		
	USB 2.0	4 x USB 2.0 (design changed by request)		
Operation System	Windows 11	Win11 23H2, W10 22H2		
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 / 19V ~24V input		
Environment	Operating Temperature	0 ~ 50°C ( 32 ~ 122°F )		
	Air Flow Condition	51 ~ 55°C ( 124 ~ 131°F ) with 0.7m/s air flow		
	Storage Temperature	-20 ~ 70°C ( -4 ~ 158°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 A		

## Dimension Drawing



## Ordering Information

Part Number	CPU	VGA/HDMI/DP	2.5 GbE	GbE	UBS 3.0	USB 2.0	COM	DDR4 Memory	SSD/HDD
AIS-3061-7E-M0-00P0	i7-12700TE	1/1/1	1	1	4	4	2	Option	Option
AIS-3061-5E-M0-00P0	i5-12500TE	1/1/1	1	1	4	4	2	Option	Option
AIS-3061-3E-M0-00P0	i3-12100TE	1/1/1	1	1	4	4	2	Option	Option
AIS-3061-BM0H00P0WM	W/O	1/1/1	1	1	4	4	2	Option	Option
AIS-3061-9E-M0-00P0*	i9-12900TE	1/1/1	1	1	4	4	2	Option	Option

\*AIS-3061-9E is for projects with MOQ.

## Optional Items

Part Number	Description
SODIMM-DDR4-M8/M16	204-Pin SODIMM DDR4-3200, 8GB/16GB
M2-PA8	M.2 2280 128GB 3D-TLC, PCIe4 (Gen3 x4)
M2-PB6	M.2 2280 256GB 3D-TLC, PCIe4 (Gen3 x4)
M2-PC2	M.2 2280 512GB 3D-TLC, PCIe4 (Gen3 x4)
SSD3-128	2.5" SATA3 SSD TLC, 128GB
SA-H1T	2.5" SATA HDD 1TB WD, 7200RPM
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 Kits with Screws, L=178mm
96PSA-A120W24T2	AC-DC 24V@5A 120W Adapter, with 2-pin Terminal Block, AC input 90V~264V