

H610I-IM-A D5

Mini-ITX, LGA1700 socket for the 14th/13th/12th Gen CPU, H610 chipset, 2*SO-DIMM, 1*PCIe x16, 1*DP, 2*HDMI, 1*LVDS, 2*M.2 slot

Features

- Support up to 65W Intel® 14th/13th/12th Gen. CPU
- Two DDR5 5600 SO-DIMM up to 64GB DDR4 3200 MHz
- Supports multiple displays: LVDS/ HDMI/ DP
- 7-year longevity supply



Specifications

Processor System	CPU	Intel® Core™ 14 th /13 th /12 th Gen. socket LGA1700. Intel® Core™ i9/ i7/ i5/ i3/ Pentium® /Celeron® Processors Max. 65W TDP
	Chipset	Intel® H610 Chipset
Memory	Technology	DDR5 5600MT/s (1DPC)
	Max	64 GB
	Socket	2 x SO-DIMM
Display	Display Port	1, up to 4096 x 2160 @60Hz
	HDMI	2, up to 4096 x 2160 @60Hz
	LVDS	1, colay with eDP, up to 4096 x 2160 @60Hz
	Multiple displays	Max. 3 Displays
Expansion Slot	PCIe/ PCI	1 x PCIe 4.0 x16 slot (x16 mode)
	M.2	1 x M.2 2242/2260/2280 M-Key (PCIe4.0 x4 / SATA mode)
		1 x M.2 2230 E-Key from PCH (PCIe & CNVi)
Ethernet	Speed	10/100/1000 Mbps
	Controller	1 x Intel® i210-AT 1 x Intel® i219-V
	Connector	2 x RJ-45
Audio	Codec	Realtek ALC897
Storage	SATA port	3 x SATA Gen 3.0, Up to 6Gb/s, Support RAID 0,1,5,10
Integrated Rear I/O	Display Port	1
	HDMI	2
	USB 3.2 Gen1	4
	Ethernet	2 x RJ45
	Serial Port	2 (RS232/422/485)
	Audio Jack	3 (Line-Out, Mic in)

Specifications

Internal Connector	COM Header	4 x COM Headers (RS232)
	USB2.0	2 x Headers support additional 4 x USB2.0 Ports
	CPU Fan / Chassis Fan	1 x Header (PWM Mode) / 1 x Headers (PWM Mode)
	System Panel	1 x Header
	Chassis Intrusion	1 x Header
	Speaker	1 x Header
	Clear CMOS	1 x Header
	COM Debug	1 x Header
	Front Panel Audio (AAFP)	1 x Header
	GPIO	1 x Header (8-Bit)
	Panel SW	1 x Header
	LVDS/ eDP selection	1 x Header
	Power Connector	1 x 24-pin ATX Power Connector, 1 x 8-pin Power Connector
Security	TPM	1 x SPI TPM Header
Watchdog Timer	H/W	YES
Power Type	Power Type	ATX, 12V DC-IN (Support by power transfer card "EMA-DCB-A".)
OS & Software Support	Microsoft Windows	Windows® 11 (64bit)
	Linux	Ubuntu, RedHat Enterprise, Fedora Workstation, OpenSUSE
	ASUS IoT Suite	☒ HW Monitor ☒ Power Scheduling ☒ Fan Control ☒ Watch Dog Timer ☒ GPIO ☒ I2C (API only)
	User Interfaces	☒ API ☒ GUI
	Operating Temperature	0~60°C
Environment	Non-Operating Temperature	-40~85°C
	Relative Humidity	Operational humidity: 10%~95% @40°C
Mechanical	Dimensions	Mini-ITX, 170 x 170 mm
Certification	EMC (CLASS B)	CE, FCC, BSMI, VCCI, RCM
	Safety	CE-LVD

Block Diagram

