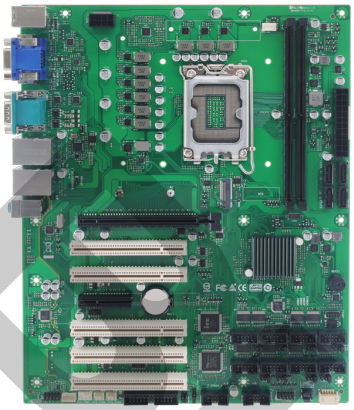
BIH61-AHA Industrial PC



- Support 12th/13th/14th Gen Intel Core i9/i7/i5/i3 processor with Intel H610 chipset, TDP: 125W
- Support triple display : VGA/HDMI® 2.0/DP++
- 2 x DDR5-5600 MHz U-DIMM, up to 96G
- 1 x Intel i225-V 2.5G LAN, 1 x Intel i219-V 1G LAN
- 6 x USB2.0 , 2 x USB3.2 Gen1
- 8 x RS232, 2 x RS232/422/485
- 4 x SATA3
- 1 x M.2 M key 2242/2280 support PCIe3.0 x2/ SATA for NVMe/ SATA storage
- 1 x PCIe4.0x16 slot
- 1 x PCIe3.0x4 slot
- 5 x PCI slot

Specifcation

CPU SUPPORT	LGA1700, support 12th/ 13th /14th Gen Intel® Core Processor
CHIPSET	Intel H610
MEMORY	2 x 288-pin DDR5-5600Mhz U-DIMM, up to 96GB
EXPANSION SLOT	1 x M.2 M Key 2242/2280 support PCIe3.0 x2/ SATA for NVMe/ SATA storage (SATA share IO w/ SATA4) 1 x PCIe4.0 x16 slot 1 x PCIe3.0 x4 slot 5 x PCI slot
GRAPHICS	Intel® Integrated Graphics, support triple display - 1 x HDMI® 2.0 connectors (4096x2160@60Hz) - 1 x DP++1.4 connector (4096x2160 @60Hz) - 1 x VGA connector (1920x1200 @60Hz)
AUDIO	Audio Codec: ALC897 + ALC105, support 4 ohm 2W amplifier
LAN	Dual LAN, 2.5G + 1G 1 x Intel i225-V 1 x Intel i219-V
SUPER I/O CHIP	FINTEK F81966
REAR I/O	1 x PS2 connector 2 x USB2.0 Type A connector 1 x HDMI® connector 1 x DP connector 1 x VGA connector 2 x COM port, support RS232/422/485 4 x USB3.2 Gen1 Type A connector 2 x RJ45 connector, support 2.5G + 1G 3 x audio port, support MIC-in, LINE-in, LINE-out

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INTERNAL I/O	Expansion slots: - 1 x M.2 M key - 1 x PCIe4.0 x16 slot - 1 x PCIe3.0 x4 slot - 5 x PCI slot SATA: - 4 x SATA3 7pin connector (SATA4 share IO w/ M.2 M key) Audio: - 1 x 2*5 pin header for MIC-in, LINE-out - 1 x 1*4 pin box header for 4 ohm 2W amplifier speaker USB: - 2 x 2*5 pin header, support 4 x USB2.0 Power: - 1 x 2*4 pin CPU power connector - 1 x 2*12 pin ATX power connector Serial Port: - 8 x 2*5 pin RS232 box header (4x RS232 is opt) - 10 x 2*3 pin COM power select header (RI/5V/12V, default is RI) Others: - 1 x buzzer - 1 x 2*13 pin printer/ 16-bit DIO box header (function select by BIOS, default is DIO) - 1 x 2*2 pin header for printer/ DIO function select(open drain/ low, default is open drain, printer must set to open drain) - 1 x 2*2 pin DIO power select header(3.3V/5V, default is 3.3V) - 1 x 1*4 pin CPU Fan header - 1 x 1*4 pin System Fan header - 2 x 1*3 pin System Fan header - 1 x 1*3 pin clear CMOS - 1 x 2*5 pin front panel header - 1 x 1*5 pin SMBUS box header - 1 x 1*3 pin AT/ATX mode select header (default is ATX) - TPM2.0 onboard
DIMENSION	ATX, 305mm x 244 mm x 1.5mm (D x W x H)
ENVIRONMENT	0ºC ~ 60ºC Humidity : 5% ~ 90%
OS SUPPORT	Support Windows 10 IoT Enterprise 21H2 Windows 11 IoT Enterprise 24H2 Windows 10/11 21H2 or later version Support Ubuntu 22.04

*The specification and pictures are subject to change without notice and the package contents may differ by area or your motherboard version!

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