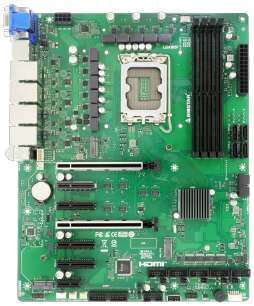
BIW88-AHS Industrial PC



- Support Intel Core Ultra 200 processor series with Intel W880 chipset, TDP: 125W
- Support triple display : VGA/HDMI® /DP++
- 4 x DDR5 5600 MHz U-DIMM (ECC/ Non-ECC), up to 192G
- 3 x Intel i226-V 2.5G LAN, 1 x Intel i226-LM 2.5G LAN
- 3 x USB2.0 , 8 x USB3.2 Gen2, 2 x USB3.2 Gen1
- 4 x RS232, 2 x RS232/422/485
- 4 x SATA3
- 2 x M.2 M key 2242/2280 support PCIe5.0x4 and PCIe4.0 x4 for NVMe storage
- 1 x M.2 E key 2230 support PCIe4.0 x1 + USB2.0 for WIFI/BT module
- 2 x PCIe5.0x16 slot
- 4 x PCIe4.0x4 slot
- 1 x PCIe4.0x1 slot
- support POE for LAN3/4 by DCPOE2 module (opt)

Specifcation

CPU SUPPORT	LGA1851, support Intel® Core Ultra 200 Processor
CHIPSET	Intel W880
MEMORY	4 x 288-pin DDR5-5600Mhz U-DIMM(ECC/ Non-ECC), up to 192GB
EXPANSION SLOT	2 x M.2 M Key 2242/2280 support PCIe5.0 x4 /PCIe4.0 x4 for NVMe storage 1 x M.2 E Key 2230 support PCIe4.0 x1 + USB2.0, support WIFI/BT module 2 x PCIe5.0 x16 (x16+NA or x8+x8) 4 x PCIe4.0 x4 Slot (1xPCIe4.0 x4 share with M.2 M Key) 1 x PCIe4.0 x1
GRAPHICS	Intel® Integrated Graphics, support triple display - 1 x HDMI® connectors (4096x2160@60Hz) - 1 x DP++ connector (4096x2160 @60Hz) - 1 x VGA connector (1920x1200 @60Hz)
AUDIO	Audio Codec: ALC897
LAN	Quad Intel® LAN 3 x 2.5G by I226-V 1 x 2.5G by I226-LM, support Intel vPro
SUPER I/O CHIP	IT8786E-I
REAR I/O	1 x COM Port , support RS-232/422/485 1 x VGA connector 1 x DP connector 1 x HDMI® connector 4 x RJ45 connector, support 2.5G 8 x USB3.2 Gen2 Type A connector 3 x Audio jacks, support LINE-in/LINE-out/MIC-in

INTERNAL I/O	Expansion slots: Expansion slots: - 4 x 288-pin DDR5 sockets - 1 x M.2 key M type, support PCIe5.0 x4 SSD - 1 x M.2 key M type, support PCIe4.0 x4 SSD(share w/ PCIe4.0 x4) - 2 x PCIe5.0 x16 (x16+NA or x8+x8) - 4 x PCIe4.0 x4 Slot (1xPCIe4.0 x4 share with M.2 M key - 1 x PCIe4.0 x1 SATA: - 4 x SATA3 7pin connector Audio: - 1 x 2*5 pin header for MIC-in, LINE-out USB: - 2 x USB2.0 by 1 x 2*5 pin header - 1 x USB2.0 Type A - 2 x USB3.2 Gen1 by 1x 2*10 pin header Power: - 1 x 2*4 pin CPU power connector - 1 x 2*12 pin ATX power connector Serial Port: - 1 x 2*5 pin RS232/422/485 box header - 4 x 2*5 pin RS232 box header - 6 x 2*3 pin COM power select header (RI/5V/12V, default is RI) Others: - 1 x 2*13 Parallel port pin-header (Multi-function with DIO) - 1 x 1*3 DIO voltage select header (5V/3.3V, default 3.3V) - 1 x 1*5pin SMbus header - 2 x 1*4pin-header for CPU/ SYS Fan (PWM Fan) - 2 x 1*3pin-header for SYS Fan - 1 x 2*5 pin front panel header - 1 x 1*3 pin clear CMOS header - 1 x 1*3 pin AT/ATX mode select header (default is ATX) - 1 x 1*4 pin DCPOE-2 power output header for LAN3/4 - 1 x 1*2 pin power input header for DCPOE-2 module - TPM2.0 onboard
DIMENSION	ATX 305 x 244 x1.6mm (W x L)
ENVIRONMENT	0ºC ~ 60ºC Humidity : 5% ~ 90%
OS SUPPORT	Support Windows 11 24H2 Support Ubuntu 24.04

*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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