

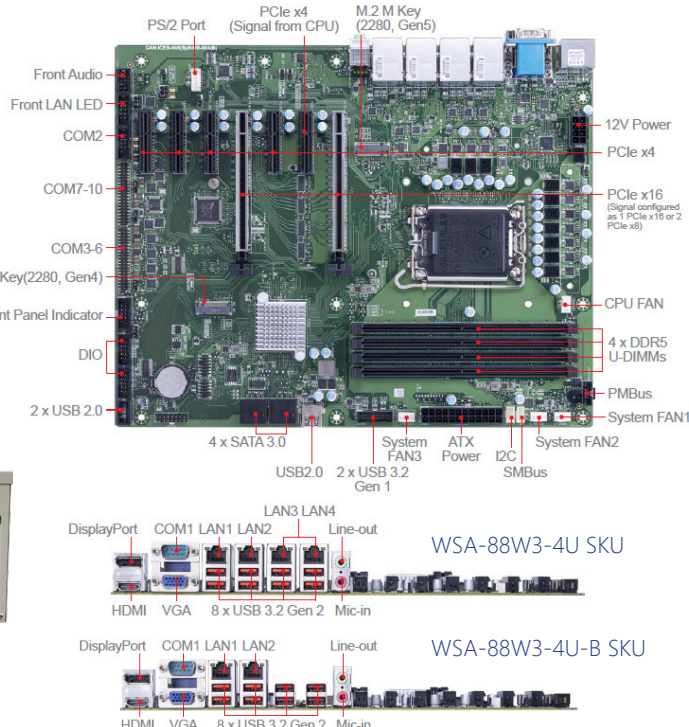
WSA-88W3-4U

High-Performance Intel 15th Gen Ultra 9/7/5 4U Industrial System



Features

- Hyper high performance 4U Industrial PC
- Based on Intel W880 Express ATX Motherboard, supported socket LGA1851 for Intel 15th Gen Core U9/U7/U5 & Pentium/Celeron processors
- 4 DDR5 5600 MT/s ECC/non-ECC UDIMM slots up to 256GB
- Triple independent displays: VGA, DP, HDMI
- 2 or 4 2.5GbE LAN with RJ-45
- 1 PCIe x16 (Gen 5) Slot or 2 PCIe x8 (Gen 5),
- 5 PCIe x4 (Gen 4, 1 signal from CPU, 4 signal from PCH)
- 2 M.2 M key, 4 SATA 3.0 for storage
- Onboard TPM 2.0
- 8 USB 3.2 Gen 2, 2 USB 3.2 Gen 1, 3 USB 2.0, 10 COM (2 RS-485 / 8 RS-232), GPIO, PS/2, Audio, 3 System FAN



Specifications

Chassis	4U 19-inch Rackmount chassis
Disk Drive bay	External: 2*5.25" & 1*3.5" HDD bay ; Internal: 6+2* 3.5" HDD bay
LED Indicators	Power, HDD
Colour	Beige
Dimensions	L450*W430*H177mm
System Power supply	Option 500W / 600W / 700W
Processors	Support 15th Gen LGA1851 Intel Core U9/U7/U5 & Pentium/Celeron Processors ; Max 125W
Chipset	Intel W880 Express
Memory	4x DIMM sockets supports dual channel DDR5 5600MHz(ECC/non-ECC), up to 256GB , (ECC support will depend on CPU)
Storage	4x SATAIII ports ; RAID 0/1/5/10 1x 2280 Key_M slot (NVME PCIe5.0 / SATA) 1x 2280 Key_M slot (NVME PCIe4.0 / SATA) (Signal Shared by PCIe Slot5)
BIOS	64Mb SPI FLASH
Display	3 independent displays 1x VGA up to 1920 x 1200 @60Hz ; 1x HDMI up to 4096 x 2160 @60Hz ; 1x DP up to 4096 x 2304 @60Hz
Ethernet Controller	4 x Intel® I226-LM 2.5GbE LAN for WSA-88W3-4U SKU 2 x Intel® I226-LM 2.5GbE LAN for WSA-88W3-4U-B SKU
Serial	- 10 x COM ports (1x rear, 9 x internal) COM1~2: RS232/422/485, Ring / 0V/5V/12V, Auto-Bow Control (Default set to Ring) COM3~6: RS-232, 0V/5V/12V, COM7~10: RS-232, 0V/5V/12V for WSA-88W3-4U SKU - 6 x COM ports (1x rear, 5 x internal) COM1~2: RS232/422/485, Ring/0V/5V/12V, Auto-Bow Control (Default set to Ring) COM3~6: RS-232, 0V/5V/12V WSA-88W3-4U-B SKU
Parallel	N/A
USB	8 x USB 3.2 Gen 2 x1 (8 x rear) ; 2 x USB 3.2 Gen 1 (2 x internal) ; 3 x USB 2.0 (3 x internal with one Right Angle Type-A Connector)
AUDIO	Realtek® ALC897 Audio Codec (Co-lay ALC888S) ; Line-out, Mic-in
Other	PS/2 keyboard and mouse via Y-cable
TPM	InPneon® SLB9672VU2.0
GPIO	16-bits (8 x GPI ; 8 x GPO), 5V
Expansion Slot	2* PCIe16 Gen 5.0 slots (Signal configured as 1 PCIe x16 or 2 PCIe x8) 5* PCIe4 Gen 4.0 slots 1 x M key (Signal from CPU) 2280, 1 x M key (Signal Shared by PCIe Slot5) 2280
Watchdog Timer	256-level Watchdog Timer
Motherboard Power input	ATX-Power 24P + 12V-8P
Environment	Operating Temperature 0° C ~ 60° C Storage Temperature -20~85° C Operating Humidity 5%~95% non-condensing
OS	Windows 10 IoT Enterprise 2021 LTSC (64-bit); Windows 11 IoT Enterprise 24H2 LTSC (64-bit); Linux (Support by request)
Motherboard platform	ATX, 305mmx 244mm

Ordering Information

Model name	Description
WSA-88W3-4U	4U Rackmount IPC system with Intel W880 Express ATX motherboard, 4*LAN, 10*COM, 16bit GPIO, 2*M.2 2280 slots, 2*PCIe 16X Gen 5.0, 4* PCIe 4X Gen 4.0
WSA-88W3-4U-B	4U Rackmount IPC system with Intel W880 Express ATX motherboard, 2*LAN, 6*COM, 16bit GPIO, 2*M.2 2280 slots, 2*PCIe 16X Gen 5.0, 4* PCIe 4X Gen 4.0

Optional Accessories

Item	Description
	If you need to buy processors, HDD/SSD, power supply, CPU cooler, system memory and other accessories, please contact us.

Embedded BOX-PC

4U SETUP PC

3U SETUP PC

2U SETUP PC

Wall Mount IPC

Panel PC

Touch Monitor