



S4U-420-H61A-A100

4U 19" Standard Rack-Mounted Industrial Computer Based on Intel® 12th/13th Gen Core™ i9/i7/i5/i3/Celeron® Processor



Features

- Intel® 12th/13th Gen Core™ i9/i7/i5/i3 Pentium®/Celeron® Processor,
- 1 x PCIe x16, 1 x PCIe x4, 3 x PCIe x1
- Dual Channel Two U-DIMM Slots DDR4 2400/2666/2933/3200 MHz, up to 64GB
- Support VGA, HDMI2.0 and DP++ triple display
- Support Two Intel GbEs, USB3.2 gen1/2, 8bit GPIO
- Support Three SATA3.0
- 1 x PCIe x16, 1 x PCIe x4 (x4 link), 1 x PCIe x1, 4 x PCI, 1 x M.2(SATA3.0)2242/2280

System

CPU	Intel® 12 th /13 th Gen Core™ i9/i7/i5/i3 Pentium®/Celeron® Processor, LGA1700, TDP up to 65W
Memory	2 x 288-pin DDR4 U-DIMM sockets, supporting 3200MHz SDRAM up to 64GB
Chipset	H610E
Graphics	Intel® UHD Graphics 770
Storage	3 x SATA 3.0, 1 x M.2 M key 2242/2280 Slot (SATA signal)
LAN Chipset	1 x Intel® i219-V GbE
	1 x Intel® i226-V
BIOS	AMI UEFI BIOS
TPM	Nuvoton TPM2.0(optional, need MOQ)
Watchdog Timer	System Reset, Programmable via software from 1 to 255 seconds

I/O

Serial Port	1 x RS232/422/485 with Auto Flow
	2 x USB3.2 Gen2(LAN1)
USB Port	2 x USB3.2 Gen1(LAN2)
	2 x USB2.0
LAN	2 x RJ45
Keyboard & Mouse	1 x PS/2(Mini-DIN-6)
Video Port	1 x VGA Output max resolution up to 1920 x 1200 @ 60Hz
	1 x HDMI2.0 Output max resolution up to 4096 x 2160 @ 60Hz
	1 x DP++: max resolution up to 4096 x 2304 @ 60Hz
Audio	Realtek® ALC888S/ALC897 HD Audio codec, supports 5.1-channel 1 x Line-out, 1 x Mic-in

Internal I/O

4 x USB2.0 (2 x Type-A)
1 x 8 bit GPIO
3 x SATA3.0
1 x CPU_FAN
2 x SYS_FAN
1 x F_AUDIO
1 x FP(power button,power led,reset,HDD led)
1 x RS-232/422/485 (default RS-232) with Auto flow control, 4 x RS-232

Expansion

1 x PCIe X16 (Gen4)
1 x PCIe X4 (Gen3)
1 x PCIe X1 (Gen3)
4 x PCI

Environmental

Operating Temp.	0 ~ 60°C
Storage Temp.	-40 ~ 85°C
Operating Humidity	5 ~ 95% (non-condensing)
Storage Humidity	5 ~ 95% (non-condensing)

Qualification

Certification	CE, FCC Class A
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Power Requirement

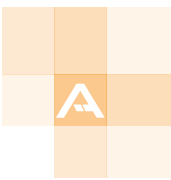
Power Input	ATX Power Supply @500W, AC 100 ~ 240V
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Mechanical

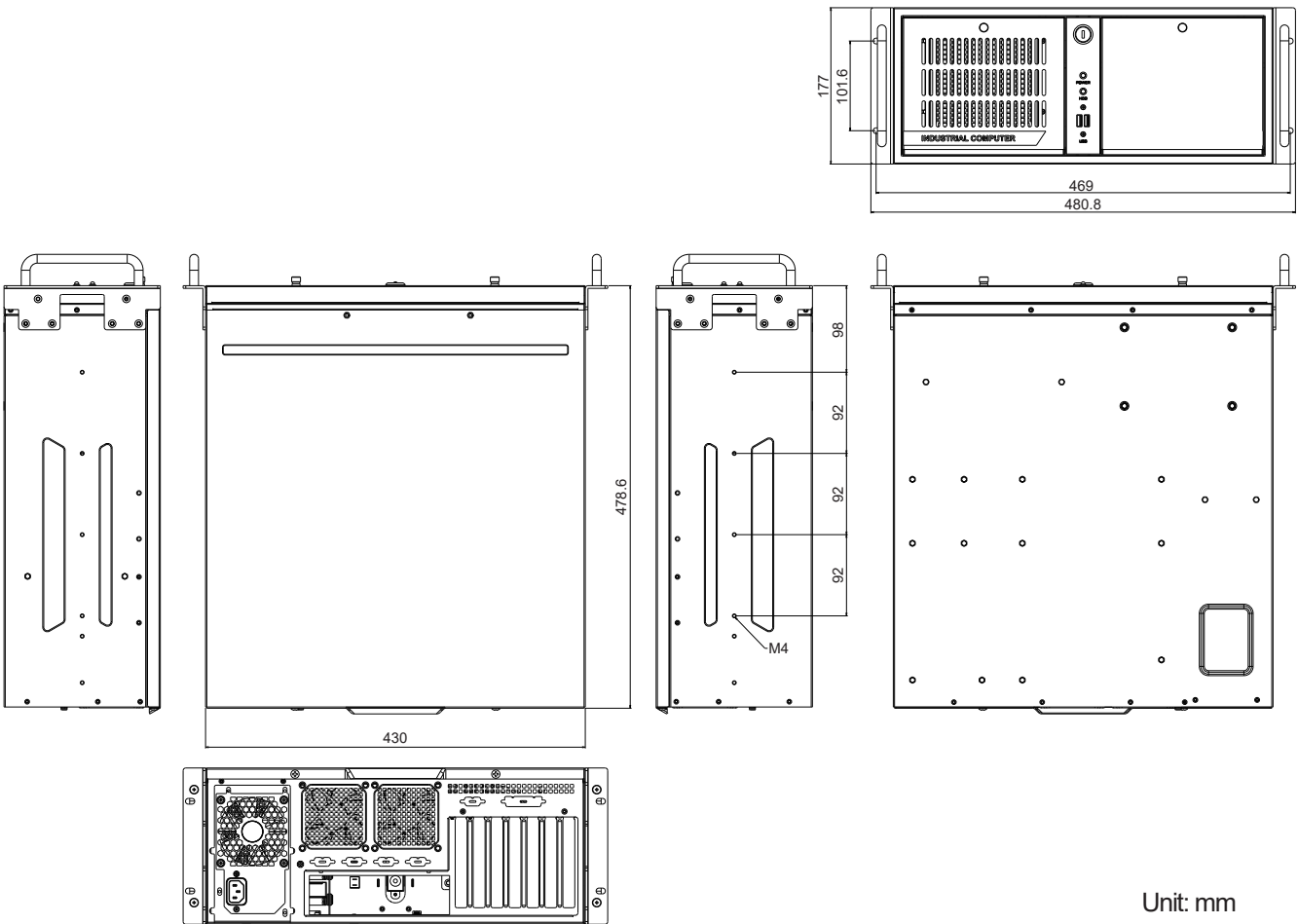
Construction	SECC
Weight	15 kg
Dimensions	480.8 x 177 x 478.6 mm

OS Support

Windows 10/11, Linux



Dimension



Unit: mm

Ordering Information

S4U-420-H61A-A100	Intel® 12 th /13 th gen Processors/ H610E ATX MB 2 x LAN, VGA/HDMI/DP++, 6 x COM, 10 x USB, 3 x PCIe, 4 x PCI, 1 x M.2 1 x 5.25 inch, 2 x 2.5 inch, 3 x 3.5 inch HDD 480.8 x 177 x 478.6 mm.
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*CTOS means Configure-to-Order Service.