



# S4U-420-H61A-A100

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



## Features

- Intel® 12<sup>th</sup>/13<sup>th</sup> Gen Core™ i9/i7/i5/i3 Pentium®/Celeron® Processor, TDP up to 65W 1 x PCIe x16, 1 x PCIe x8, 1 x PCIe x4, 3 x PCIe x1
- Dual Channel Dual DIMM Slot DDR4 2400/2666/2933/3200MHz, up to 64GB
- Support VGA, HDMI2.0 and DP++ triple display
- Support two Intel GbEs, USB3.2 gen1/2, 8bit GPIO
- Support 3 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 <sup>th</sup> /13 <sup>th</sup> Gen Core™ i9/i7/i5/i3/Pentium®/Celeron® Processor, LGA1700, TDP up to 65W
Memory	2 x DDR4 2400/2666/2933/3200 MHz U-DIMM Slot, up to 64GB
Chipset	H610E
Graphics	Intel® UHD Graphics 770
Storage	3 x SATA 3.0, 1 x M.2 (SATA 3.0 signal)2242/2280
LAN Chipset	1 x Intel® i219-V GbE 1 x Intel® 226V/LM/IT
BIOS	AMI UEFI BIOS
TPM	Nuvoton TPM2.0(optional, need MOQ)
Watchdog Timer	System Reset, Programmable via software from 1 to 255 seconds
<b>I/O</b>	
Serial Port	1 x RS232/422/485 with Auto Flow
USB Port	2 x USB3.2 Gen2(LAN1)
	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 <sup>++</sup> : max resolution up to 4096 x 2304 @ 60Hz
Audio	Realtek® ALC888S/ALC897 HD Audio codec, supports 5.1-channel 1 x Line-out, 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
Expansion	2 x SYS_FAN
	1 x F_AUDIO
	1 x FP(power button,power led,reset,HDD led)
	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 ~ 90% (non-condensing)
Storage Humidity	5 ~ 95% (non-condensing)

## Qualification

Certification	CE, FCC Class A, CCC
---------------	----------------------

## Power Requirement

Power Input	ATX
-------------	-----

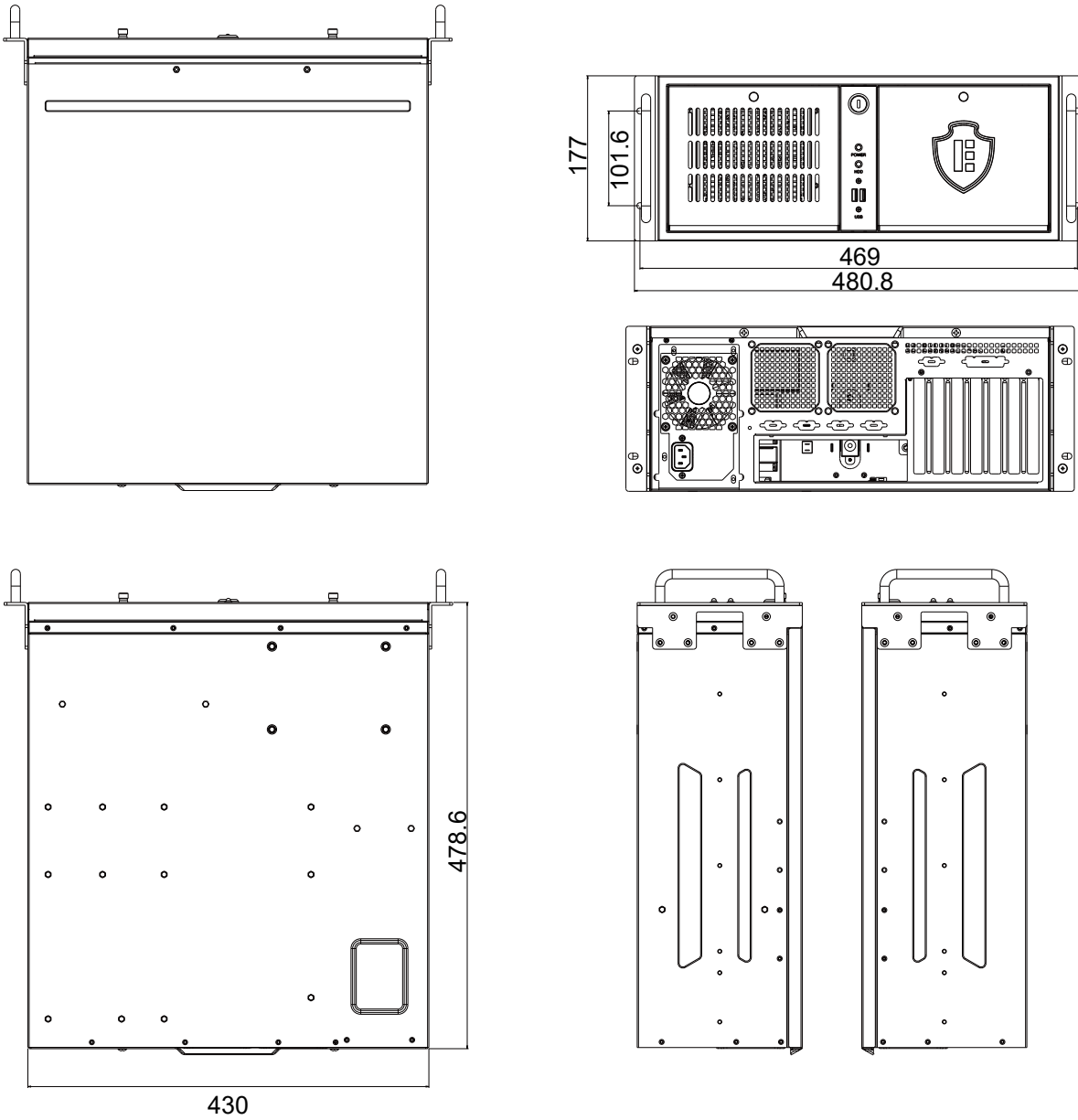
## Mechanical

Material	SECC
Weight	11 kg
Dimensions (W x D x H)	480.8 x 177 x 478.6 mm

## OS Support

Windows 10 64bit, Linux
-------------------------

# Dimensions



## Ordering Information

S4U-420-H61A-A100 Intel 12<sup>th</sup> /13<sup>th</sup> gen Processors/ H610E ATX MB  
 2 x LAN, VGA/HDMI/DP<sup>++</sup>, 6 x COM, 10 x USB, 3 x PCIe, 4 x PCI, 1 x M.2  
 1 x 5.25 inch CD-ROM, 2 x 2.5 inchS SD, 3 x 3.5 inch HDD  
 480.8 x 177 x 478.6 mm.

