PERFECTRON

SCH4X2-AC
SCH4X2-RAC

Smart Energy 13/12th Processor

Fanless Computer

- Intel®13th /12th Gen Raptor Lake-S / Alder Lake-S Core™ i9/i7/i5/i3 up to TDP 65W
- Up to 64G DDR4 SO-DIMM 3200 MHz
- 2 x DP, 2 x LAN, 6x USB
- 2x 2.5"Easy swap SSD Tray
- 2 x PCIe Gen4 x 8 slot
- AC-IN 110~240V (Support Redundant)
- Operation Temp. -20°C to 60°C

Specifications

System

CPU	13th/12th Gen Intel® Raptor Lake-S/Alder Lake-S LGA1700 Socket Processor / Core i9/i7/i5/i3 Processor up to TDP 65W
Memory Capacity	DDR4 SO-DIMM 3200 MHz up to 64G
Chipset	Q670

Display

GPU	Intel® UHD Graphics
Display Port	DisplayPort 1.4, DP++ Max resolution up to 4k (4096x2304@60Hz)
2ndDisplay Port	DisplayPort 1.4, DP++ Max resolution up to 4k (4096x2304@60Hz)

Expansion

PCIe Slot	2 x PCIe Gen4 x 8 Slot
M.2	1x M.2 2280M-key (PCIe Gen 3.0 X 4, SATAIII)

Storage

SATA	Up to 4TB SATAIII
M.2	Up to 2TB NVMe & SATAIII

Ethernet

Ethernet	Intel® I219-LM Giga LAN

Front I/O

Power Button	1 x Power Button
Indicator	1 x HDD backlight / 1 x Power backlight
USB3.0	2 x USB 3.0

Rear I/O

Power Input	1 x C14 Plug 110~240V AC-IN (2 x C14 Plug 110~240V AC-IN with Redundant)
LAN	2 x 1GbE RJ45
USB3.2	2 x USB 3.2
USB2.0	2 x USB2.0
DisplayPort	2 x DP
Storage	2 x Swap SSD Tray

Power Input	AC-IN 110~240V (With Redundant)

OS support list

OS	Windows® 11 64bit, / Windows® 10 IoT LTSC 64bit (LTSC 2021) / Ubuntu 22.04 / Linux (support by request)

Mechanical and Environmental

Dimension	220 x 315 x167 mm (W x D x H)
Operating Temp.	-20°C to 60°C
Storage Temp.	-40°C to 85°C
Relative Humidity	5% to 95%, non-condensing
System Design	Fanless

Certification

IEC-61850-3 / IEEE-1613 / UL 62368-1 / EN60945 / CE / FCC

Ordering Information

SCX4X2-AC

Smart Energy Fanless Computer with Intel 13th /12th Gen Intel® Raptor Lake-S/Alder Lake-S LGA1700 Socket Processor / Core i9/i7/i5/i3 Processor TDP 65W, up to 64G SO-DIMM DDR4 3200MHz, 2 × 1GbE RJ45, 2 x USB3.2, 2 x USB3.0, 2 x USB2.0, 2 x DP, 2 x SwapSSD Tray, AC-IN 110~240V , Operating Temperature -20°C~+60°C

SCX4X2-RAC

Smart Energy Fanless Computer with Intel 13th /12th Gen Intel® Raptor Lake-S/Alder Lake-S LGA1700 Socket Processor / Core i9/i7/i5/i3 Processor / TDP 65W, up to 64G SO-DIMM DDR4 3200MHz, 2 × 1GbE RJ45, 2 x USB3.2, 2 x USB3.0, 2 x USB2.0, 2 x DP, 2 x SwapSSD Tray, AC-IN 110~240V with redundant, Operating Temperature -20°C~+60°C
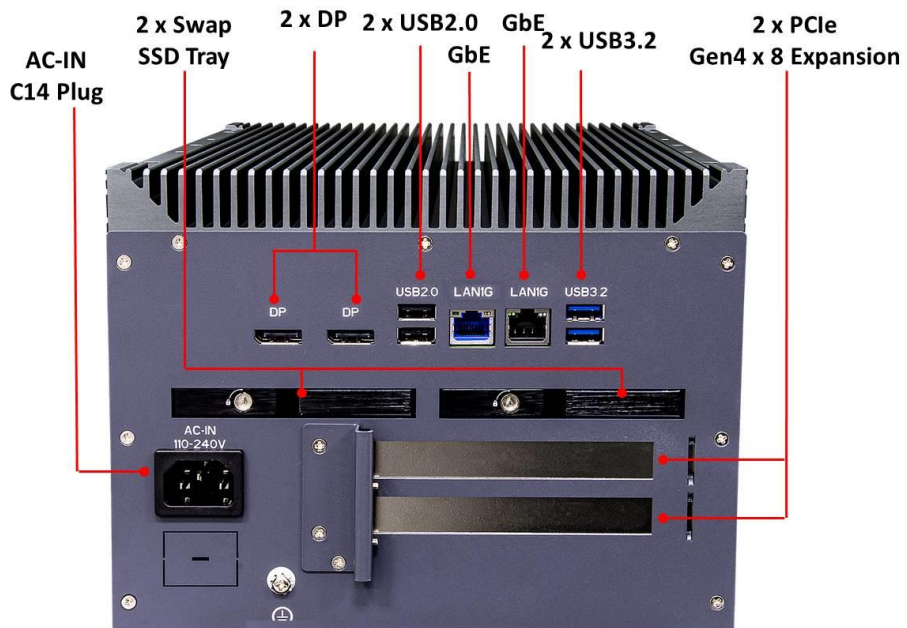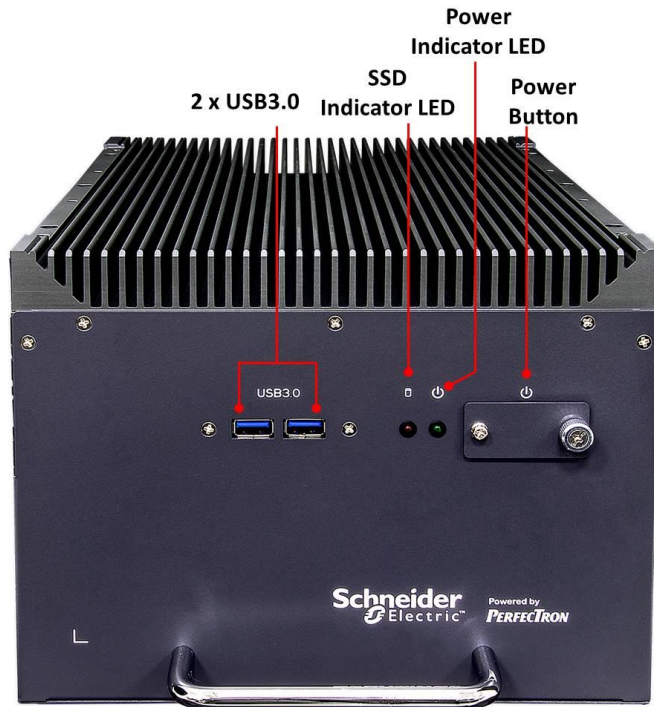
	SCH4X2-AC	SCH4X2-RAC
CPU	12/13th Gen Intel® Core i9/i7/i5/i3 Processor TDP 65W	
RAM	Up to 64GB SO_DIMM, DDR4-3200MHz	
Expansion	2 x PCIe Gen4 x 8 1 x M.2 2280(Gen3 x 4,SATAIII)	
Storage	Up to 4TB SATAIII Up to 2TB NVMe & SATAIII	
I/O	2 × RJ45, 6 x USB, 2 x DP, 2 x 2.5" SwapTray	
Power	AC-IN 110~240V	AC-IN 110~240V W/Redundant
Operation Temp.	-20°C~+60°C	

Accessories Kit (Option)

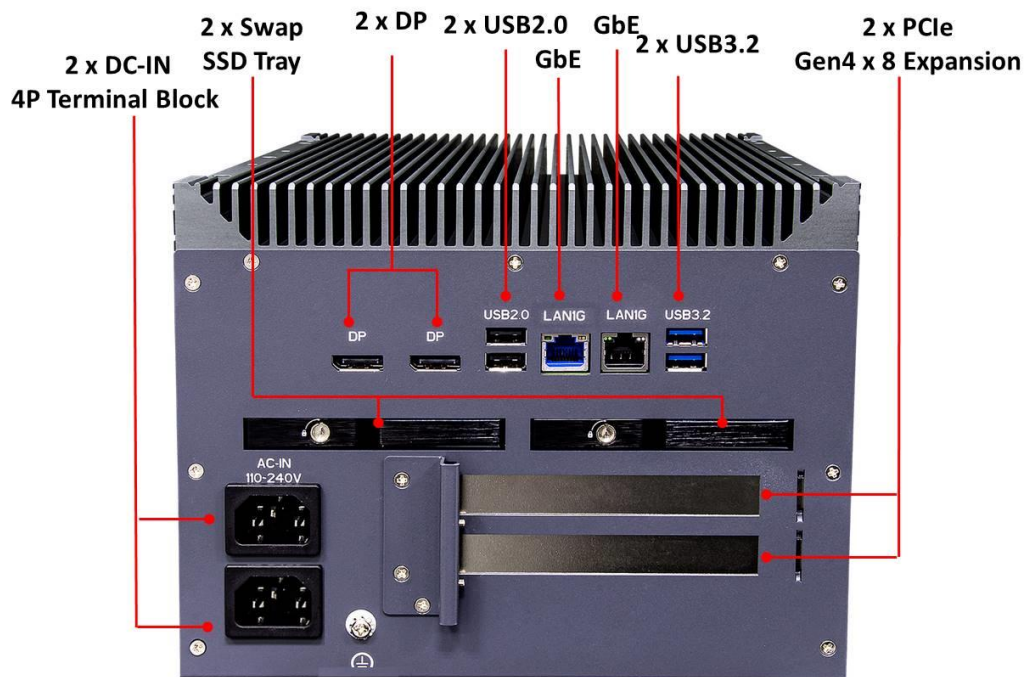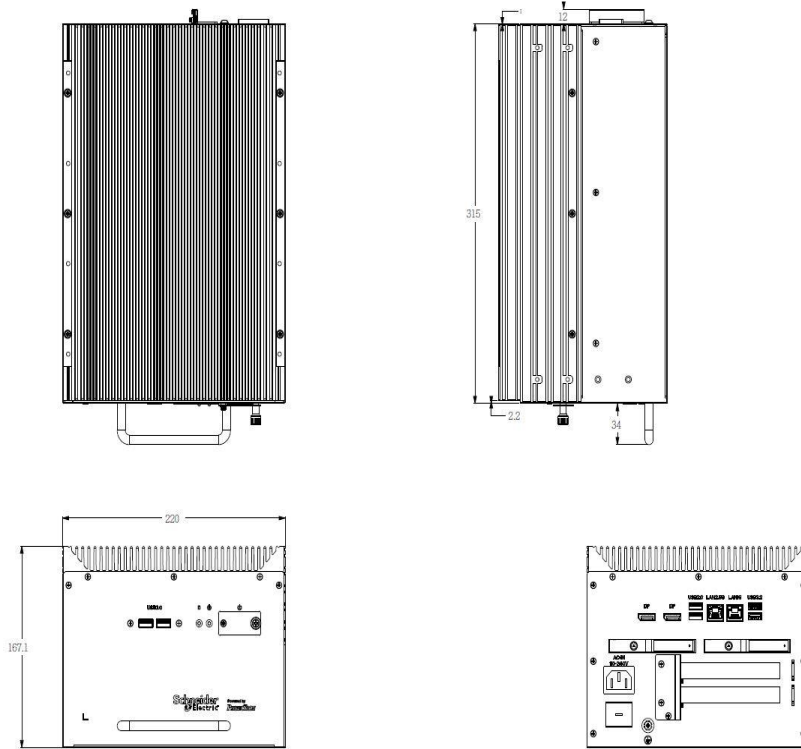| P/N	Description	Q'ty
0ZAKSCH3X2000000	Accessories Kit for SCH3X2/SCH4X2 Dual Machine Rackmount Bracket	1
0ZAKSCH3X2000001	Accessories Kit for SCH3X2/SCH4X2 Single Machine Rackmount Bracket	1

Appearance

SCH4X2-AC :

Power
Indicator LED
SSD
2 x USB3.0   Indicator LED   Power
Button

USB3.0

Schneider Electric   Powered by PERFECTRON

2 x Swap   2 x DP   2 x USB2.0   GbE   2 x PCIe
SSD Tray   GbE   2 x USB3.2   Gen4 x 8 Expansion
AC-IN
C14 Plug

DP   DP   USB2.0   LAN1G   LAN1G   USB3.2

AC-IN
110-240V

SCH4X2-RAC :

Drawing and Dimension

SCH4X2-AC :

SCH4X2-RAC :