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# CPT300-RS

*Fanless Intel 14/13/12th GPU Computer*



- Intel® Raptor Lake-S Core i Processor
- DDR4-4800 SO-DIMM up to 64G (non-ECC)
- 8 x USB3.2, 4 x 2.5GbE LAN, 4 x COM
- Multi Display : HDMI/VGA/DP
- 2 x Swappable 2.5" SSD Tray
- System Power Wide Range DC-IN 9~48V
- Operating Temperature -20°C to 60°C
- Expansion PCIe : PCIe x 16 / PCIe x 1 (Option 2\*PCIe x 8)
- Optional Expansion : POE(RJ45/M12)/CANBUS/DIDO

# Specifications

## SYSTEM

CPU	14th/13th/12 <sup>th</sup> Gen Intel® Raptor Lake-S/Alder Lake-S Core i9/i7/i5/i3/Celeron/Pentium (Up to 65W)
Chipset	Intel® R680E
Memory type	2 x 262-pin SO-DIMM / DDR5 4800 MHz / Max. 64 GB (Non-ECC)
Storage Device	1 x 2.5" Removable SSD Tray, 1 x Internal 2.5" SSD Tray

## EXPANSION

M.2	1 x M.2 M key 2242/2260/2280 (PCIe,SATAIII) 1 x M.2 B key 3042/3052/2260 (PCIe,USB,SATAIII) 1 x M.2 E key 2230 (PCIe,USB), 1 x mPCIe(PCIe,USB,SATAIII)
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## FRONT I/O

Power Button	1
PWR LED	1
HDD LED	1
GPIO LED	1
LAN ACT LED	4
HDMI	1
USB	2 x USB3.2 Gen2 x 2
SIM Slot	2
I/O XpansionDoor	3
Swappable SSD Tray	1

## REAR I/O

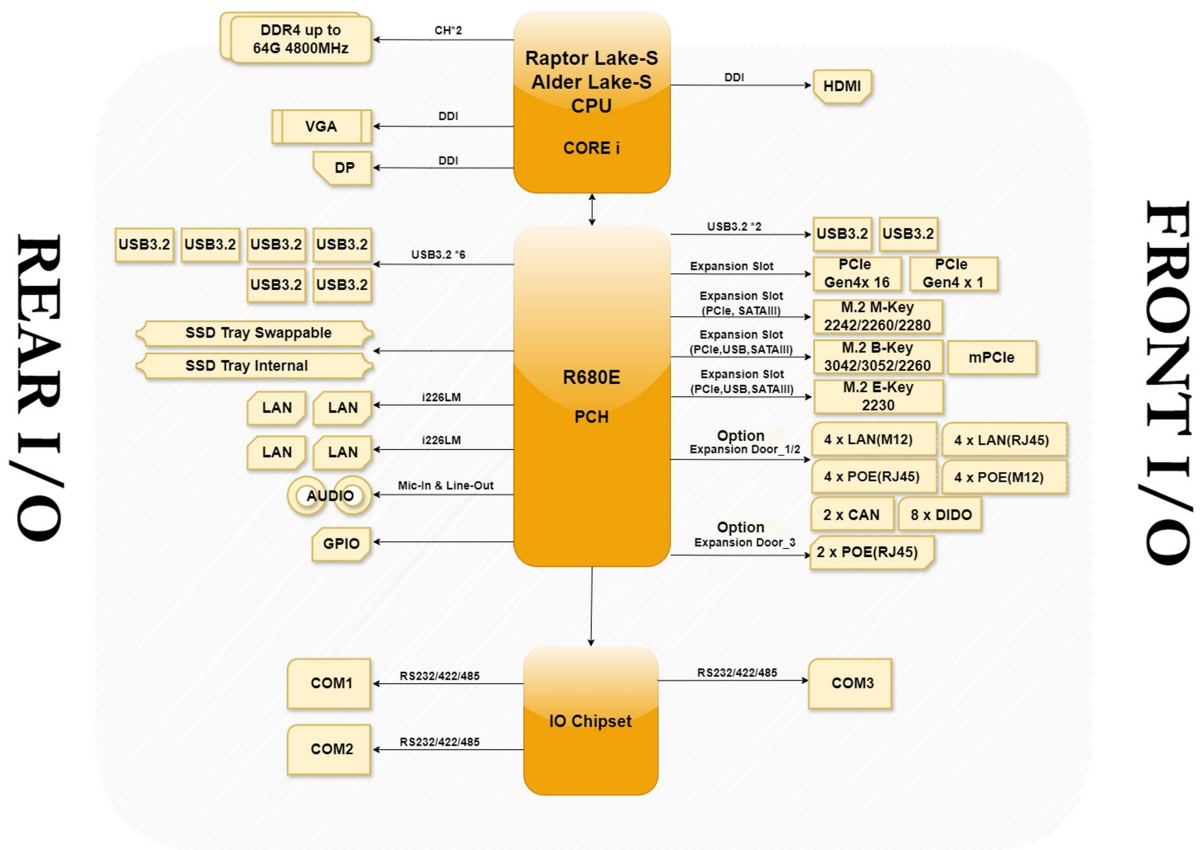
COM	3 x RS232 / 422 / 485
Ethernet	4 x RJ45
USB	6 x USB3.2 Gen2 x 2
GPIO	8bit(4in/4out)
DisplayPort	1
VGA	1
Terminal Block	1 x Terminal Block Remote Power ON/OFF 1 x Terminal Block Remote Reset
AUDIO	1 x Mic-in, 1 x Line-out

PCIe Expansion	PCIe Gen4 x 16 ; 1 x PCIe Gen4 x 1
System Power	DC-IN 9~48V

**MECHANICAL & ENVIRONMENT**

Dimension (W x H x D)	246 x 128 x 268mm
Operating Temp.	35W TPD Processor : -20 to 60°C 65W TPD Processor : -20 to 50°C
Storage Temp.	-40 to +85°C
Relative Humidity	5% to 95%, non-condensing
CE/FCC	CE/FCC Compliance
OS Support	Windows 10 IoT LTSC 2021 64bit Windows 10 IoT Enterprise 64bit Ubuntu 22.04

**Block Diagram**



## Ordering Information

### **CPT300-RS**

Fanless Computer with Intel 14/13/12th Gen. Core i9/i7/i5/i3 Processor up to 65W , 64G SO-DIMM DDR4 4800MHz, 4 × 2.5GbE RJ45, 8 x USB3.2, 1 x DP, 1 x HDMI, 1 x VGA, 3 x COM, 8-bit GPIO, 1 x SwapSSD Tray, 1 x Internal SSD Tray, DC-IN 9~48V, Operating Temperature -20°C~+60°C