Embedded Computer > Single Board Computer > SMARC / COM-HPC
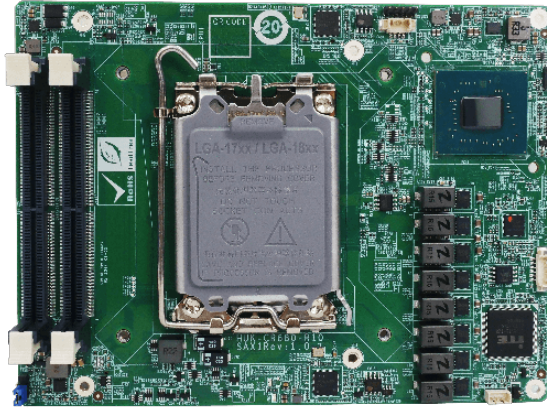
HUK-CR680

COM-HPC Client size C Module, supports LGA1700 Intel® 12th/13th/14th Generation Core™ i9/i7/i5/i3, Pentium® and Celeron® processor, quadruple independent display, Dual 2.5 GbE, PCIe Gen 5, SATAIII, USB 3.2, RoHS

Features

» Supports LGA1700 Intel® 12th/13th Desktop CPU (TDP up to 65W)

» Dual-channel DDR5 up to 4400MHz

» Support DisplayPort 1.2, HDMI™ & eDP

» Support PCIe Gen5 / Gen4 /Gen3 signals

Specifications

Form Factor	
Form Factor	COM-HPC SIZE C
System	
CPU	Intel® Alder Lake-S/Raptor Lake-S/Raptor Lake-S Refresh LGA1700 Desktop CPU (TDP up to 65W)
Chipset	R680E
Memory	2 x 262pin DDR5 5600 SO-DIMM sockets
Memory Max.	up to 96GB
Cooling method / System Fan	1 x CPU FAN connector
Physical Characteristics	
Dimensions (LxWxH) (mm)	160 x 120mm
Storage	
Storage	2 x SATA : signals to the baseboard
I/O Interface	
Display Output	4 x Display Port : 3 x DDI and 1 x eDP signals to baseboard
Ethernet	2 x LAN -
	1 x PCIe 2.5 GbE with Intel i226-V signal to baseboard
	1 x PCIe 2.5 GbE with Intel i226-LM signal to baseboard
Audio	2 x HD Audio -
	1 x HD Audio signal to baseboard
	1 x Soundwire Audio/I2S Audio signal to baseboard
I/O Interface	8 x Internal USB 2.0 : signals to the baseboard
	4 x External USB 3.2 Gen2x1 : signals to the baseboard
	2 x UART : signals to the baseboard
Expansion	1 x PCIe x16 : PCIe signals to the baseboard
	5 x PCIe x4 : PCIe signals to the baseboard
	6 x PCIe x1 : PCIe signals to the baseboard
Power	
Power Supply	ATX 12V Power Supply
Environment	
Operating Temperature	-10°C ~ 60°C

Storage Temperature	-30°C ~ 70°C

Ordering Information

HUK-CR680-R10	COM-HPC Client size C Module,Intel® Alder Lake S support R680E processor, Dual 2.5 GbE, PCIe Gen 5 , SATA 6Gb/s, USB 3.2 gen 2 , RoHS

Packing List

1 x HUK-CR680 single board computer	1 x QIG