

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

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|---------------------------------|---|
| 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 |

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|---------------------|--------------|
| Storage Temperature | -30°C ~ 70°C |
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Ordering Information

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| 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 |
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Packing List

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|-------------------------------------|---------|
| 1 x HUK-CR680 single board computer | 1 x QIG |
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