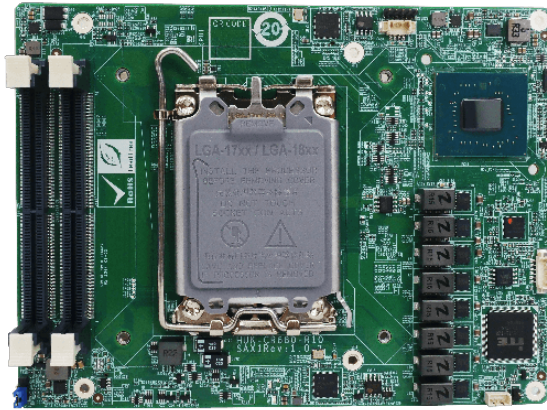


# HUK-CR680

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