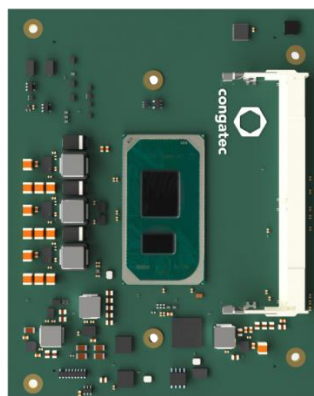


conga-HPC/cTLU



COM-HPC high performance module based on 11th Gen Intel® Core™ processor series (code name "Tiger Lake")

- COM HPC Client Size A
- PCI Express Gen 4
- USB 4.0
- Integrated high performance Xe (Gen 12) graphics

Specification

Formfactor

COM-HPC

DRAM

Up to 2 SO-DIMM sockets for DDR4 memory modules up to 32 GByte each (64 GByte total) with 3200 MT/s

Ethernet

2 x 2,5 GbE TSN Ethernet via Intel® i225

I/O Interfaces

4 x PCIe Gen4

8 x PCIe Gen3

2 x USB 4.0

2 x USB 3.2

6 x SATA III (6Gb/s)

2 x UART

12 x GPIOs

2 x MIPI-CSI

8 x USB 2.0

Graphics

Integrated Xe (Gen 12) graphics engine | Supporting 4 independent display units (4x 4k/2x 8K) | Enhanced media (AV1/12b) with up to 2 Vdbox | Next Gen IPU6 with DPHY2.1 | HDMI 2.0/2.1 | DP 1.4

congatec Board Controller

Multi Stage Watchdog | non-volatile User Data Storage | Manufacturing and Board Information | Board Statistics I²C bus (fast mode, 400 kHz, multi-master) | Power Loss Control | Hardware Health Monitoring | POST Code redirection

Security

Trusted Platform Module (TPM 2.0)

Power Management

ACPI 5.0 with battery support

Temperature

Commercial: Operating: 0 to +60°C | Storage: -40 to +85°C

Humidity

Operating: 10 to 90% r. H. non cond. / Storage 5 to 95% r. H. non cond.

Size

95 x 120 mm