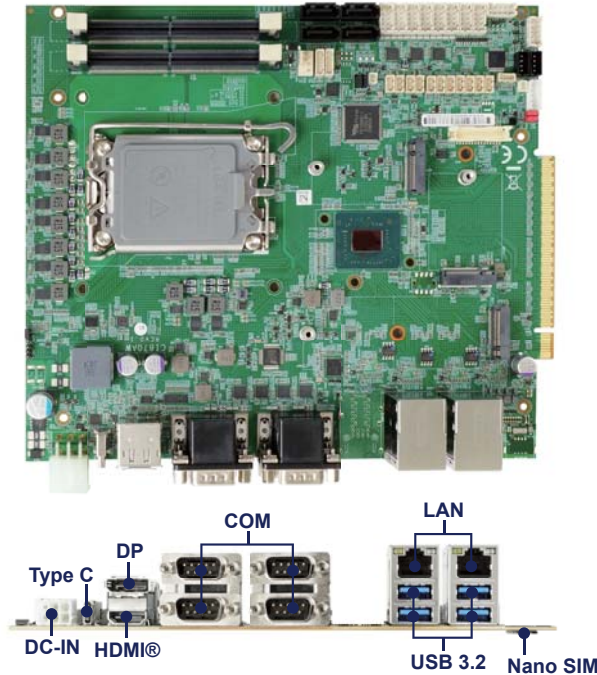


CI870AW

Embedded SBC supports Intel® Core™ Ultra Series 2 (Arrow Lake S) CPU

Introduction:

1 x HDMI®, 1 x DP, 1 x Type C, 2 x Intel 2.5Gb Ethernet, 3 x M.2, 1 x PCIe x 16 golden Finger
8DI / 8DO, 4 x USB 3.2, 4 USB 2.0, 4 x COM, 1 x Nano SIM

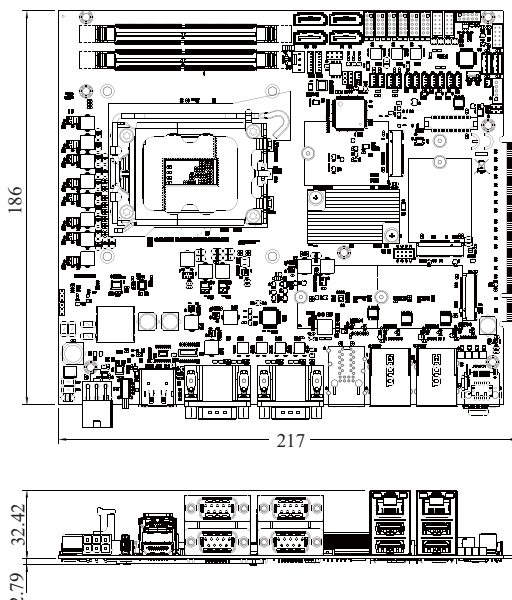


Features:

- Intel® Core™ Ultra Series 2 (Arrow Lake S) CPU
- Intel® Q870 chipset
- 2 x DDR5 SODIMM, Max 96GB
- Multiple Independent display: 1 x HDMI®, 1 x DP, 1 x Type C
- 2 x Intel 2.5 GbE LAN, 4 x USB 3.2 Gen1x1, 4 x USB 2.0
- 1 x M.2 M Key, 2 x M.2 BKey, 1 x Nano SIM, 1 x PCIe x16
- 4 x COM, 8DI/8DO
- TPM 2.0, SMBus, I2C, I2S



Dimensions: (Unit:mm)



- CPU
Intel® Core™ Ultra Series 2 (Arrow Lake S) CPU
- MB Chipset
Intel® Q870
- Graphics
Intel® UHD Graphics
- System Memory
2 x DDR5 SODIMM, Max 96GB
- Storage
4 x SATA port
1 x M.2 M key Type 2280 / 3080 (OEM to 2242 / 3042), Support NVMe SSD
1 x M.2 B key Type 2242 / 3042, Support SATA SSD
1 x M.2 B key Type 2242 / 3042, Support NVMe SSD
- BIOS
AMI UEFI BIOS
- Display
1 x HDMI®; 1 x DP; 1 x Type C DP ALT Mode
- TPM
Hardware TPM 2.0; OEM Optional to Firmware TPM 2.0
- LAN
2 x Intel 2.5GbE I226-IT (external)
- Expansion Interface
1 x M.2 M key Type 3080 (PCIe x 4), Support NVMe, (OEM to Type 3042)
1 x M.2 B key Type 2242 / 3042 (USB 3.2 Gen 1x1 + SATA / USB 2.0) (OEM to Type 3052)
1 x M.2 B key Type 2242 / 3042 (PCIe x2 / USB 2.0)
1 x Nano SIM
1 x PCIe x 16 golden finger

Expansion Module

Converter Card:
CN064: M.2 B+M Keyto M.2 E Key 2230, WiFi 6 + BT

- USB
4 x USB 3.2 Gen 1 (external), 1 x Type C, USB 3.2 (external)
4 x USB 2.0 (internal)
- Serial IO
4 x RS232 / 422 / 485 (external)
- SMBus / I2C / I2S
1 x SMBus; 6 x I2C; 2 x I2S
- GPIO
Hardware digital Input & Output, 8 x DI / 8 x DO
- WDT
Hardware Watch Dog Timer, 0~65535 sec programmable
- Power Input
Wide Range DC IN +12~36V (Typ: +12V/+24V)
- Dimension
LEX form factor (186 x 217 mm); Weight: 440g
- Operation Temperature
-20°C~+50°C (Ultra 7 265T)
-40°C (By OEM request)
- Operation Humidity
5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)
Twister(L)
- OS Support
Windows 10 / 11 (64bit)
Ubuntu 24.04.3 LTS, kernel 6.14.0-27-generic

Specification are subject to change without prior notice. ODM / OEM is available.