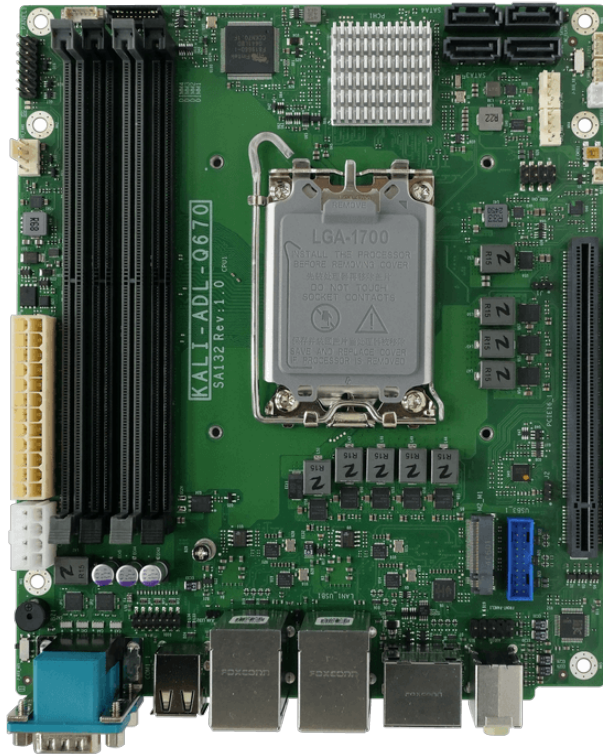


Ordinateur embarqué > Ordinateur à carte unique > Carte mère industrielle

## KALI-ADL-Q670

Extended-ITX SBC supports LGA1700 Intel® 12th/13th/14th Generation Core™ i9/i7/i5/i3, Pentium® and Celeron® processor, DDR5, Dual displays, dual 2.5GbE LAN, USB 3.2, SATA 6Gb/s and RoHS



## Features

1. Extended-ITX SBC supports LGA1700 Intel® 12th/13th/14th Generation Core™ i9/i7/i5/i3, Pentium® and Celeron® processor
2. Four 288-pin 5200 MHz Dual-Channel DDR5 UDIMMs
3. Double independent display via HDMI and DP
4. Support double Intel® I226V 2.5GbE
5. Support PCIe Gen4 x16 and M.2 M key expansion

## Specifications

| Form Factor                 |                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Form Factor                 | Mini-ITX SBC                                                                                                                |
| System                      |                                                                                                                             |
| CPU                         | LGA1700 socket supports 12th/13th/14th generation Intel® Core™ i9/i7/i5/i3/Pentium®/Celeron® Processor (up to 125W TDP CPU) |
| Memory                      | Four 288-pin 5200 MHz Dual-Channel DDR5 UDIMMs                                                                              |
| Memory Max.                 | up to 192GB                                                                                                                 |
| Cooling method / System Fan | 1 x CPU fan connector (1x4 pin)<br>2 x System fan connector (1x4 pin)                                                       |
| Physical Characteristics    |                                                                                                                             |
| Dimensions (LxWxH) (mm)     | 200mm x 170mm                                                                                                               |
| Net Weight                  | GW: 900g / NW: 400g                                                                                                         |
| Storage                     |                                                                                                                             |
| Storage                     | 4 x SATA : 6Gb/s                                                                                                            |
| I/O Interface               |                                                                                                                             |
| Display Output              | 1 x Display Port : DP 1.4a (up to 4K @60Hz)<br>2 x HDMI™ : HDMI 2.0b (up to 4K @60Hz)                                       |
| Ethernet                    | 2 x LAN -<br>LAN1: Intel® I226V 2.5GbE controller<br>LAN2: Intel® I226V 2.5GbE controller                                   |
| Audio                       | HD Audio - Realtek ALC888S HD codec<br>1 x Audio Jack (Line-out, Mic-in) on rear IO<br>1 x Analog audio (2x5 pin)           |

|                       |                                                                                 |
|-----------------------|---------------------------------------------------------------------------------|
| I/O Interface         | 1 x DIO : 12-bit digital I/O (2x7 pin)                                          |
|                       | 2 x External RS-232/422/485 : RS-485 support AFC                                |
|                       | 2 x External USB 2.0 : Type-A                                                   |
|                       | 4 x External USB 3.2 Gen2x1 : Type-A, 10Gb/s                                    |
|                       | 1 x I <sup>2</sup> C : 1x4 pin                                                  |
|                       | 2 x Internal USB 3.2 Gen1x1 : 2x10 pin, P=2.00, 5Gb/s                           |
| Expansion             | 1 x PCIe x16 : with x16 Signal Gen4                                             |
| Other Features        |                                                                                 |
| TPM                   | 2x10 pin                                                                        |
| Power                 |                                                                                 |
| Power Consumption     | 3.3V@0.98A, 5V@4.9A, 12V@5.75A, 5VSB@0.36A                                      |
|                       | (Intel® Core™ i9-12900K CPU with 48 GB 5600 MHz DDR5 memory, EuP mode disabled) |
| Power Supply          | Support AT/ATX mode                                                             |
|                       | ErP/EuP Compliant                                                               |
| Environment           |                                                                                 |
| Operating Temperature | -10 ~ 60°C                                                                      |
| Storage Temperature   | -30°C ~ 70°C                                                                    |
| Humidity              | 5% ~ 95%, non-condensing                                                        |
| Card Slot Interface   |                                                                                 |
| M.2                   | 1 x M.2 M Key (PCIe X4 gen3 2280)                                               |

## Ordering Information

|                   |                                                                                                                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KALI-ADL-Q670-R10 | Extended-ITX SBC supports LGA1700 Intel® 12th/13th/14th Generation Core™ i9/i7/i5/i3, Pentium® and Celeron® processor, DDR5, Dual displays, dual 2.5GbE LAN, USB 3.2, SATA 6Gb/s and RoHS |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Packing List

|                                         |                   |
|-----------------------------------------|-------------------|
| 1 x KALI-ADL-Q670 single board computer | 1 x I/O Shielding |
| 1 x SATA cable                          | 1 x QIG           |