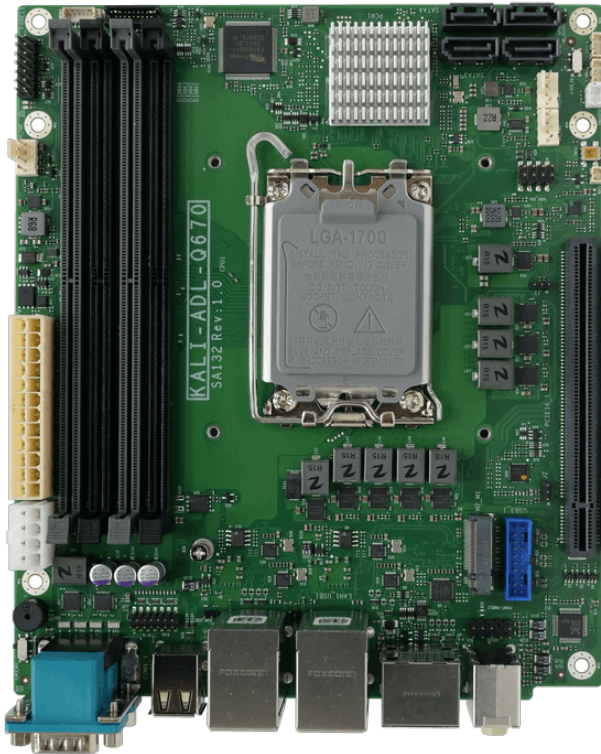


KALI-ADL-Q670

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) 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) 2 x HDMI™ : HDMI 2.0b (up to 4K @60Hz)
Ethernet	2 x LAN - LAN1: Intel® I226V 2.5GbE controller LAN2: Intel® I226V 2.5GbE controller
Audio	HD Audio - Realtek ALC888S HD codec 1 x Audio Jack (Line-out, Mic-in) on rear IO 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 ² 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
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Packing List

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