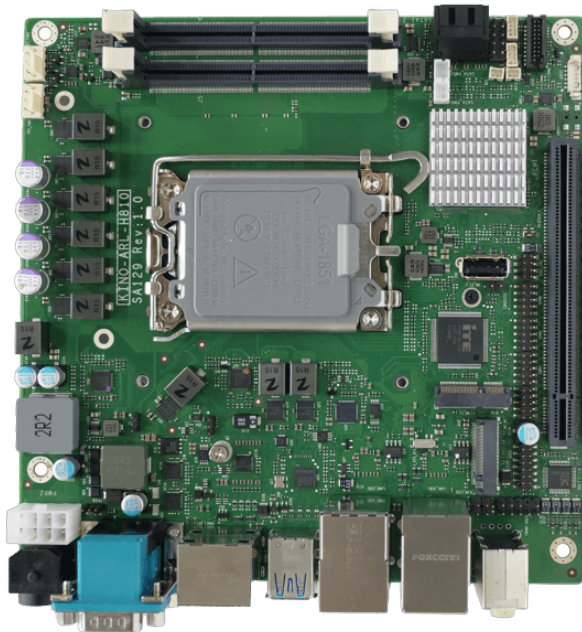


KINO-ARL-H810

mini-ITX SBC supports LGA1851 high-Performance Intel® Core™ Ultra Processors (Series 2)



Features

- » mini-ITX SBC supports high-Performance Intel® Core™ Ultra Processors (Series 2)
- » Two 262-pin 5600 MHz Dual-Channel DDR5 SDRAM Unbuffered, Clocked Unbuffered SO-DIMM
- » Triple independent display via HDMI™, USB4 and DP
- » Support dual Intel® I226V 2.5GbE controller
- » Support PCIe Gen4 x16, M.2 M key and M.2 E key expansion

Specifications

Form Factor	
Form Factor	Mini-ITX SBC
System	
CPU	LGA1851 socket supports high-Performance Intel® Core™ Ultra Processors (Series 2) (up to 65W TDP CPU)
Memory	Two 262-pin 5600 MHz Dual-Channel DDR5 SDRAM Unbuffered, Clocked Unbuffered SO-DIMM (CSODIMM support 6400 MHz)
Memory Max.	up to 96GB
Cooling method / System Fan	1 x CPU fan connector (1x4 pin) 1 x System fan connector (1x4 pin)
Physical Characteristics	
Dimensions (LxWxH) (mm)	170mm x 170mm
Net Weight	GW: 900g / NW: 400g
Storage	
Storage	2 x SATA : 6Gb/s
I/O Interface	
Display Output	1 x Display Port : 1.4 (up to 4K @60Hz) 1 x HDMI™ : 2.0 (up to 4K @60Hz) 1 x USB4 : up to 4k @60Hz
Ethernet	2 x LAN - LAN1: Intel® I226-V 2.5GbE controller LAN2: Intel® I226-V 2.5GbE controller
Audio	HD Audio : Realtek ALC888S HD codec 2 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 2 x External USB 2.0 : Type-A 1 x External USB 3.2 Gen1x1 : Type-A, 5Gb/s

	2 x External USB 3.2 Gen2x1 : Type-A, 10Gb/s
	1 x I ² C 1x4 pin
	4 x Internal RS-232 : 2x5 pin, P=2.0
	3 x Internal USB 2.0 - 2 x USB 2.0 (2x4 pin, P=2.0) 1 x USB 2.0 (Type A) 90°
Expansion	1 x PCIe x16 : with x16 Signal Gen4
Other Features	
TPM	2x10 pin
Power	
Power Consumption	12V@11.14A
	(Intel® Core Ultra5 245 with 32 GB 5600 MHz DDR5 memory, EuP mode disabled)
Power Supply	12V DC input (DC jack)
	Support AT/ATX mode
	ErP/EuP Compliant
Environment	
Operating Temperature	-10°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Humidity	5% ~95%, non-condensing
Card Slot Interface	
M.2	1 x M.2 M key (2280,PCIe Gen4 x4)
	1 x M.2 E key (2230 ,PCIe Gen4 x1 &USB 2.0) for wifi/BT

Ordering Information

KINO-ARL-H810-R10	Mini-ITX SBC with Intel®15th Generation Ultra™ processor,DDR5 SO-DIMM, Quad Display,Dual Intel 2.5GbE,USB3.2,M.2,RoHS
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Packing List

1 x KINO-ARL-H810 single board computer	1 x I/O Shielding
2 x SATA cable	1 x QIG