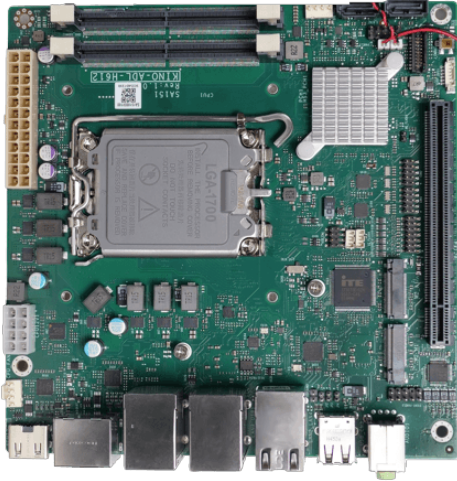


# KINO-BTL-H611

mini-ITX SBC supports 12th/13th/14th Gen Intel® Core™ processors (Alder Lake-S / Raptor Lake-S) and Intel® Core™ Processors (Series 2) (Bartlett Lake-S)



## Features

- » mini-ITX SBC supports 12th/13th/14th Gen Intel® Core™ processors (Alder Lake-S / Raptor Lake-S) and Intel® Core™ Processors (Series 2) (Bartlett Lake-S)
- » 2 x 262-pin DDR5 5600 MHz SO-DIMM, dual-channel, supports up to 96GB
- » Triple independent display via HDMI™ and DP
- » Support qual Intel® I226V 2.5GbE controller
- » Support PCIe Gen4 x16, M.2 M key and M.2 A key expansion

## Specifications

Form Factor	
Form Factor	Mini-ITX SBC
System	
CPU	LGA1700 socket supports 12th/13th/14th Gen Intel® Core™ processors (Alder Lake-S / Raptor Lake-S) and Intel® Core™ Processors (Series 2) (Bartlett Lake-S) up to 65W TDP
Memory	2 x 262-pin DDR5 5600 MHz SO-DIMM, dual-channel
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 : DP 1.4 (up to 4K @60Hz)
	2 x HDMI™ : 2.0 (up to 4K @60Hz)
Ethernet	4 x LAN -
	LAN1: Intel® I226-V 2.5GbE controller
	LAN2: Intel® I226-V 2.5GbE controller
	LAN3: Intel® I226-V 2.5GbE controller
	LAN4: Intel® I219-LM 1GbE 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 USB 2.0 : Type-A
	2 x External USB 3.2 Gen1x2 : Type-A, 5Gb/s
	2 x External USB 3.2 Gen2x1 : Type-A, 10Gb/s
	1 x I²C : 1x4 pin

	2 x Internal RS-232/422/485 : 2x5 pin, P=2.0
	2 x Internal USB 2.0 : 2x4 pin, P=2.0
Expansion	1 x PCIe x16 (with x16 Signal Gen4)
Other Features	
TPM	2x10 pin
Power	
Power Consumption	3.3V@1.81AA, 5V@8.13A, 5Vsb@0.17A, 12V@5.73A
	(Intel® Core i5-14500 with 48 GB 5600 MHz DDR5 memory, EuP mode disabled)
Power Supply	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 Gen3 X 4)
	1 x M.2 A key(2230, PCIe Gen3 x1 & USB 2.0) for wifi/BT

## Ordering Information

KINO-BTL-H611-R10	mini-ITX SBC supports Alder Lake-S/Raptor Lake-S/Bartlett Lake-S Intel® Core™ Processor, DDR5, Triple independent displays, quad 2.5GbE LAN, USB 3.2, SATA 6Gb/s and RoHS
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## Packing List

1 x KINO-BTL-H611 single board computer	1 x I/O Shielding
2 x SATA cable	1 x QIG