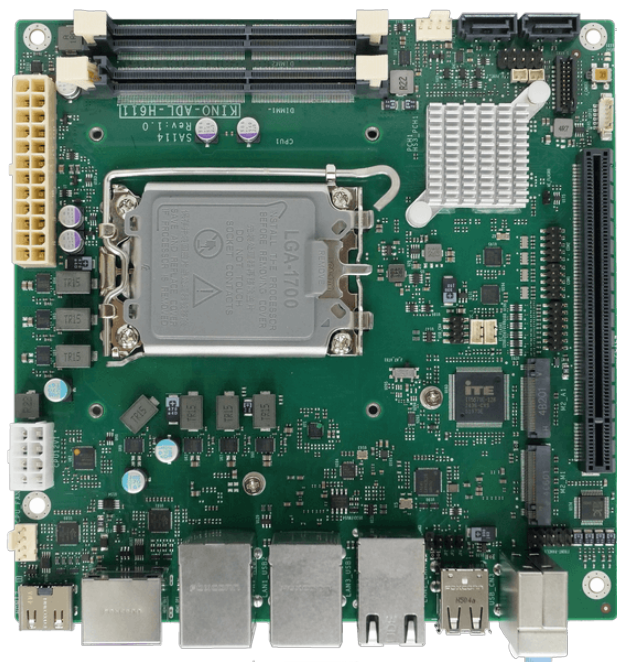


KINO-ADL-H611

mini-ITX SBC supports LGA1700 Intel® 12th/13th/14th Generation Core™ i9/i7/i5/i3, Pentium® and Celeron® processor, DDR4, triple independent displays, quad LAN, M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS



Features

1. mini-ITX SBC supports LGA1700 Intel® 12th/13th/14th Generation Core™ i9/i7/i5/i3, Pentium® and Celeron® processor
2. Two 260-pin 3200 MHz Dual-Channel DDR4 SO-DIMM
3. Triple independent display via dual HDMI and DP
4. Support quad Intel® I226V 2.5GbE and I219-V 1GbE controller
5. 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 generation Alder Lake-S/Raptor Lake-S Intel® Core™ i9/i7/i5/i3/Pentium®/Celeron® Processor (up to 65W TDP CPU)
Memory	Two 260-pin 3200 MHz Dual-Channel DDR4 SO-DIMM
Memory Max.	up to 64 GB
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	2 x HDMI™ : HDMI 2.0b (up to 4K @60Hz)
	1 x Display Port : DP 1.4a (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-V 1GbE controller
Audio	HD Audio - Realtek ALC888S HD codec
	3 x Audio Jack (Line-in, Line-out, Mic-in) on rear IO
	1 x Analog audio (2x5 pin)
I/O Interface	2 x Internal RS-232/422/485 : 2x5 pin, P=2.0

	2 x External USB 2.0 : Type-A
	2 x External USB 3.2 Gen1x1 : Type-A, 5Gb/s
	2 x Internal USB 2.0 : 2x4 pin, P=2.0
	1 x DIO : 12-bit digital I/O (2x7 pin)
	2 x External USB 3.2 Gen2x1 : Type-A, 10Gb/s
	1 x I ² C : 1x4 pin
Expansion	1 x PCIe x16 : with x16 Signal Gen4
Other Features	
TPM	2x10 pin
Power	
Power Consumption	3.3V@2.52A, 5V@4.09A, 12V@5.75A, 5VSB@0.2A
	(Intel® Core™ i9-12900 CPU with 32 GB 3200 MHz DDR4 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 (2280, PCIe Gen3 X 4)
	1 x M.2 A key(2230, PCIe Gen3 x1 & USB 2.0) for wifi/BT

Ordering Information

KINO-ADL-H611-R10	LGA1700 socket supports 12th/13th/14th generation Alder Lake-S/Raptor Lake-S Intel® Core™ i9/i7/i5/i3/Pentium®/Celeron® Processor (up to 65W TDP CPU)
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Packing List

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