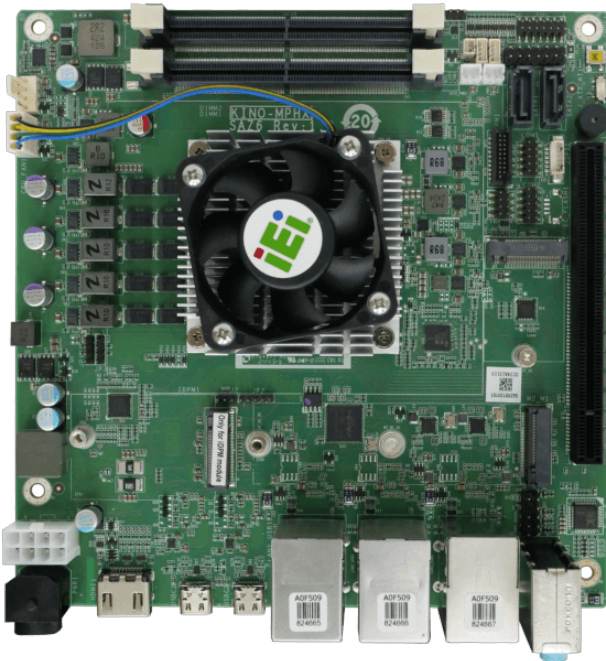


# KINO-MPHX

Mini-ITX SBC with AMD Ryzen™ 7040 & 8040 Series Mobile Processors, DDR5 SO-DIMM, Quadra Display, Triple Realtek 2.5GbE, USB3.2, M.2, RoHS



## Features

1. Mini-ITX SBC supports AMD Ryzen™ 7040 & 8040 Series Mobile Processors
2. Two 262-pin 5600 DDR5 SO-DIMM supported up to 64GB
3. Quad independent display via USB4, HDMI, iDPM
4. Support triple REALTEK RTL8125BG-CG 2.5GbE controller
5. Support PCIe Gen4 x16, M.2 M key and M.2 A key expansion

## Specifications

Form Factor	
Form Factor	Mini-ITX
System	
CPU	AMD Ryzen™ 7040 & 8040 Series mobile processors
Memory	Two 262-pin 5600 MHz Dual-Channel DDR5 SO-DIMM supported up to 64GB
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: 700g
Storage	
Storage	2 x SATA : 6Gb/s
I/O Interface	
Display Output	1 x HDMI™ : up to 4096 x 2304 @30Hz 1 x iDPM : iDPM 3040 slot (only for IEI iDPM module)
Ethernet	3 x LAN - LAN1: REALTEK RTL8125BG-CG 2.5GbE controller LAN2: REALTEK RTL8125BG-CG 2.5GbE controller LAN3: REALTEK RTL8125BG-CG 2.5GbE controller
Audio	1 x HD Audio - Realtek ALC888S HD Audio codec 2 x Audio jack (Line-out, Mic-in) 1 x Front audio (2x5 pin)
I/O Interface	1 x DIO : 12-bit digital I/O (2x7 pin) 4 x External USB 3.2 Gen1x2 : Type-A, 5Gb/s 2 x External USB 3.2 Gen2x1 : Type-A, 10Gb/s 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 M.2(NGFF) -
	1 x M.2 M key (2242/80, PCIe Gen4 X 4)
	1 x M.2 A key (2230, PCIe Gen4 x1 & USB 2.0)
	1 x PCIe x16 : (Slot1) with x8 Signal Gen4
<b>Power</b>	
Power Consumption	12V@11.599A
	(AMD Ryzen 9 8945HS CPU with 32GB DDR5 5600 memory)
Power Supply	Support AT/ATX mode
	12VDC
	ErP/EuP Compliant
<b>Environment</b>	
Operating Temperature	0°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Humidity	5% ~95%, non-condensing

## Ordering Information

KINO-MPHX-87A-R10	Mini-ITX SBC with AMD Ryzen™ 5 8845HS mobile Processors,DDR5 SO-DIMM, Triple Display,Triple Intel 2.5GbE,USB3.2,M.2,RoHS
KINO-MPHX-85A-R10	Mini-ITX SBC with AMD Ryzen™ 5 8645HS mobile Processors,DDR5 SO-DIMM, Triple Display,Triple Intel 2.5GbE,USB3.2,M.2,RoHS

## Packing List

1 x KINO-MPHX single board computer	1 x I/O Shielding
1 x SATA cable	1 x QIG