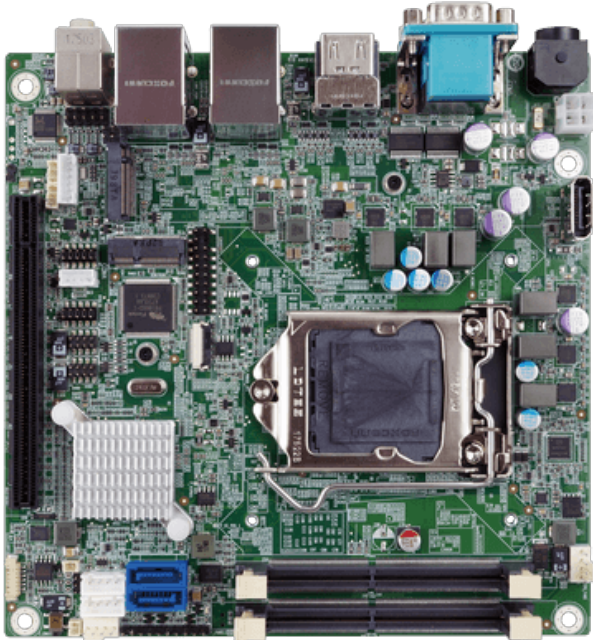


# KINO-DH310

Mini-ITX SBC supports 14nm LGA1151 Intel® 8th/9th Generation Core™ i9/i7/i5/i3, Celeron® and Pentium® processor, DDR4, dual independent displays, dual GbE LAN, M.2, SATA 6Gb/s, HD Audio and RoHS



## Features

- » LGA1151 Intel® 8th/9th Generation Core™ i9/i7/i5/i3, Pentium® or Celeron® processor
- » Dual-channel DDR4 2666MHz
- » Support internal DisplayPort & Dual HDMI™
- » Support M.2 A Key for WLAN expansion & M key for storage

## Specifications

System	
CPU	LGA1151 socket supports 8th/9th generation Intel® Core™ i9/i7/i5/i3, Pentium® or Celeron® processor (35W/65W)
Chipset	Intel® H310
Memory	Two 260-pin 2666/2400 MHz Dual-Channel DDR4 SDRAM Unbuffered SO-DIMM
Memory Max.	64GB
Physical Characteristics	
Dimensions (LxWxH) (mm)	170 X 170
Net Weight	400g
Storage	
Storage	2 x SATA :6Gb/s with 5V SATA power connector (no RAID)
I/O Interface	
Display Output	2 x HDMI™ :up to 4096x2160@30Hz 1 x Display Port :up to 4096x2160@60Hz(optional)
Ethernet	2 x LAN :LAN1: Realtek RTL8111H PCIe GbE controller LAN2: Realtek RTL8111H PCIe GbE controller
Audio	Description: Realtek ALC662 HD codec 1 x Line out :on rear IO 1 x Mic :on rear IO 1 x Front Audio :2x5 pin
I/O Interface	2 x External RS-232 1 x Internal RS-232 :2x5 pin, p=2.0 4 x External USB 3.2 Gen1x1 4 x Internal USB 2.0 :2x4 pin, P=2.0
Expansion	1 x PS/2 1 x PCIe x16

	2 x M.2(NGFF) :1 X M key(2280,Gen2 PCIe X 2 only),1 X A key(2230, PCIe X 1 & USB 2.0)
<b>Other Features</b>	
TPM	2x10 pin
<b>Power</b>	
Power Consumption	12V@11.32A (Intel® Core™ i7-8700 up to 4.60 GHz CPU with two 8GB 2666MHz DDR4 memory)
Power Supply	DC 12V input
	1 x External DC jack (4-pin DIN)
	1 x Internal power connector (2x2 pin)
	Support AT/ATX mode
	ErP/EuP Compliant
<b>Environment</b>	
Operating Temperature	0°C ~ 60°C
Storage Temperature	-10°C ~ 70°C
Humidity	5% ~ 95%, non-condensing
<b>Certifications</b>	
Safety & EMC	CE/FCC compliant

## Ordering Information

KINO-DH310-R10	Mini-ITX SBC supports 14nm LGA1151 Intel® 8th/9th Generation Core™ i9/i7/i5/i3, Celeron® and Pentium® processor, DDR4, dual independent displays, dual GbE LAN, M.2, SATA 6Gb/s, HD Audio and RoHS
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## Packing List

1 x KINO-DH130 single board computer	1 x SATA cable
1 x I/O Shielding	1 x QIG