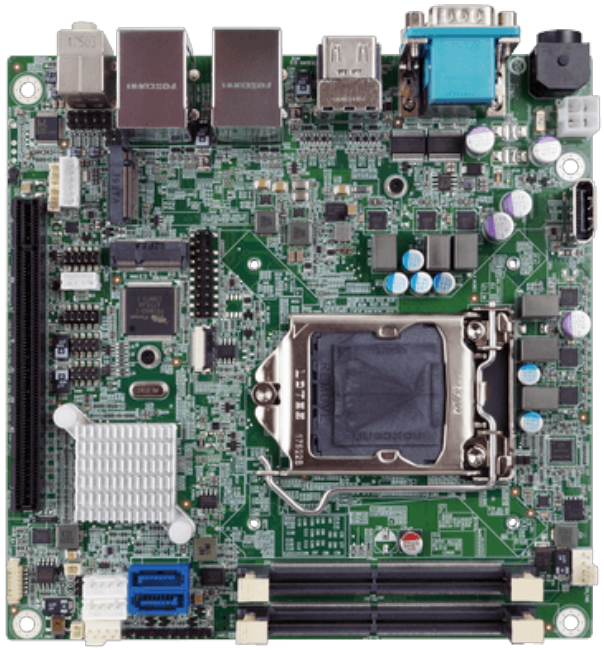
Embedded Computer > Single Board Computer > Industrial Motherboard

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
	1 x PS/2
Expansion	1 x PCIe x16

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	2 x M.2(NGFF) :1 X M key(2280,Gen2 PCIe X 2 only),1 X A key(2230, PCLe X 1 & USB 2.0)
Other Features	
TPM	2x10 pin
Power	
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
Environment	
Operating Temperature	0°C ~ 60°C
Storage Temperature	-10°C ~ 70°C
Humidity	5% ~ 95%, non-condensing
Certifications	
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

Packing List

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