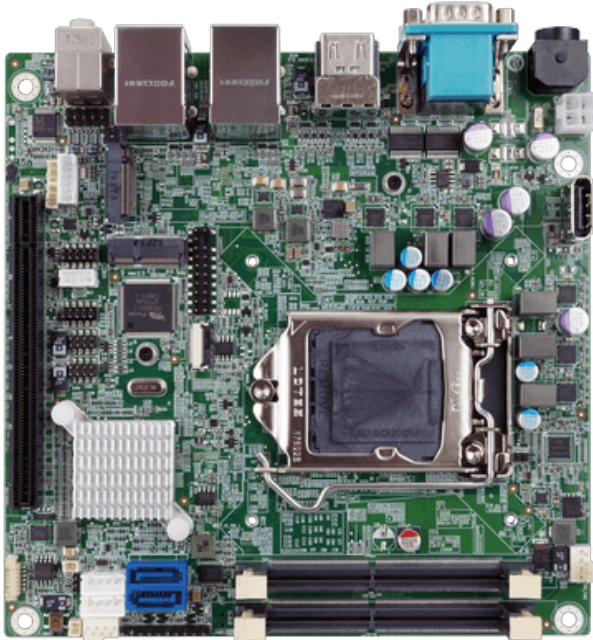


KINO-DH310

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 |

| | |
|-----------------------|---|
| | 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) |
| 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 |