

mITX-H31CA

Mini-ITX with 8th Generation Intel® Core™ Processor, Dual Channel DDR4 Memory, PCIe , 4 x COM , 8 x USB, 2 x SATA 6Gb/s



Specifications

Form Factor	Mini-ITX 170W x 170D (mm)
CPU	Support for 8th Generation Intel® Core™ i7 processors/Intel® Core™ i5 processors/ Intel® Core™ i3 processors/ Intel® Pentium®processors/ Intel® Celeron® processors in the LGA1151 package, TDP under 65W L3 cache varies with CPU
Socket	1 x LGA 1151
Chipset	Intel® H310C Express Chipset
Memory	2 x DDR4 SO-DIMM sockets supporting up to 32 GB of system memory Dual channel memory architecture Support for DDR4 2666/2400 MHz memory modules
Ethernet	2 x GbE LAN ports (Intel® i219V and Realtek RTL8111HS)
Video	Integrated Graphics Processor - Intel® HD Graphics support: 1 x HDMI port, supporting a maximum resolution of 4096x2160@30 Hz 1 x DP port, supporting a maximum resolution of 4096x2160@60 Hz 1 x D-Sub port, supporting a maximum resolution of 1920x1200@60 Hz 1 x eDP port, supporting a maximum resolution of 3840x2160@60 Hz
Audio	Realtek ALC269 High Definition Audio
Storage	2 x SATA 6Gb/s ports
Raid	—
Expansion Slots	1 x PCIe x16 (Gen3 x16 bus) slot 1 x M.2 2230 E Key slot 1 x M.2 Slot 2242/2280 Storage SATA

Features

- Mini-ITX form factor
- Supports 8th Generation Intel® Core™ Processors
- Intel® H310C Express Chipset
- Dual Channel DDR4, 2 x SO-DIMMs
- 2 x GbE LAN Ports
- 2 x SATA 6Gb/s Ports
- HDMI, Display Port, D-Sub, eDP Ports for Multiple Display
- Realtek ALC269 Audio Codec
- 2 x RS-232/422/485, 5V/12V/RI COM Ports
- 2 x RS-232 COM Ports

Internal I/O	1 x 4-pin ATX main power connector 2 x SATA 6Gb/s connectors 1 x SATA power connectors 1 x CPU fan header 1 x System fan header 1 x Front panel header 1 x Front panel audio header 4 x USB 2.0/1.1 headers 1 x COM headers (RS-232/422/485 and RI/5V/12V) 2 x COM headers (RS-232) 1 x Clear CMOS jumper 1 x GPIO (4 in/ 4 out) 1 x Backlight Control header 1 x eDP connector
Rear I/O	3 x Audio jacks (Line in, Line out, Mic in) 1 x COM (RS-232/422/485 and RI/5V/12V) 1 x HDMI 1 x Display Port 1 x D-Sub 2 x RJ45 4 x USB3.0 1 x DC Jack (+12V/+19V/+24Vdc)
TPM	1 x TPM Header
OS Compatibility	Windows 10 (x64)
PSU Connectors	1 x DC-in (+12V/+19V/+24Vdc) 1 x 4-pin ATX power connector
Operating Properties	Operating temperature: 0°C to 60°C Operating humidity: 0-90% (non-condensing) Non-operating temperature: -20°C to 70°C Non-operating humidity: 0%-95% (non-condensing)

Packing Content

- Bulk Packing Capacity: 20pcs
- Carton size: 550 x 451 x 330 (mm)
- Content:
- IO Shield x 1 (12AIO-MCQ370-00R)
- SATA Power cable x 2 (25CRI-300B01-K1R)

Order Information

- Motherboard: 9MH31CAINR-SI

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