

JNC8HA-IH310

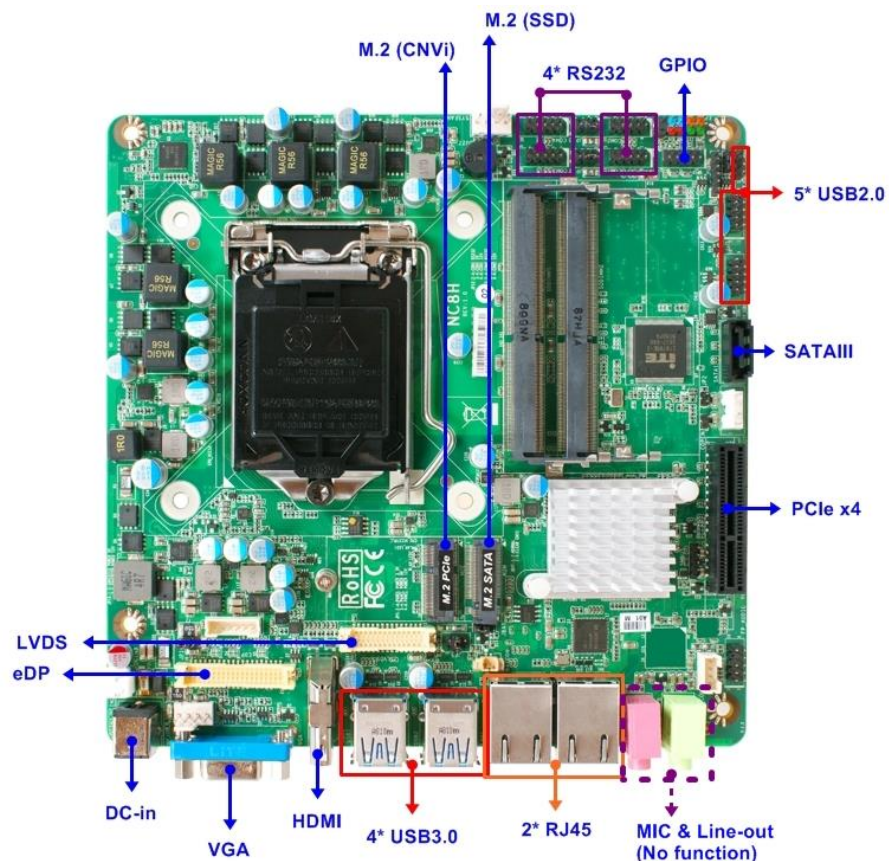
Intel® Coffee Lake-S H310 Chip, Support LGA1151 CPU up to 65W, DDR4 up to 64GB, 12~24V DC-in, without Audio version



1. Intel® LGA1151 Socket Core i3, i5, i7 Pentium Processor (Max 65W)
2. Intel® Coffee Lake-S H310 Chipset
3. Support Single Channel DDR4 2133MHz, up to 64GB
4. 1* Intel® I219-V + 1* Intel® i211AT GbE
5. 1* SATAIII (6Gb/s) & M.2 (M key 2242)
6. HDMI/VGA /EDP (CO-lay LVDS) Output
7. 4* RS232 (COM1/2 Support 5V/12V TTL), 4* External USB3.0, 5* Internal USB2.0
8. 1* PCIe x4 Slot, 1* M.2 E key Support CNVi
9. DC 12~24V Input
10. Slim Mini ITX Form Factor (170 *170 mm)



Internal Diagram



Specifications

Form Factor	
Dimensions	- Slim Mini ITX (170 * 170mm)
Processor System	
CPU	- Intel® LGA1151 Series Processor (Max. 65W)
Core Number	- by CPU
Max Speed	- by CPU
L2 Cache	- by CPU
Chipset	- H310
BIOS	- AMI 128M Flash ROM
Expansion Slot	
M.2	- 1 (E key 2230, Support CNVi) - 1 (M Key 2242)
SATA	- 1
PCI-e	- 1 * PCI-E x4 slot
Memory	
Technology	- Single channel DDR4 2133MHz DRAM
Max.	- 64GB
Socket	- 2 * SO-DIMM
Graphics	
Controller	- Intel® HD Graphics
VRAM	- Shared Memory
VGA	- 1 (Max. Resolution: 1920×1200@60Hz)
LVDS	- 1 (Co-lay eDP, Max. Resolution: 1920×1080@60Hz)
eDP 1.3	- 1 (Co-lay LVDS, Max. Resolution: 4096×2304@60Hz)
HDMI 1.4	- 1 (Max Resolution: 4096x2160@30Hz)
Multi Display	- Dual Display
Ethernet	
Ethernet	- 10/100/1000 Mbps
Controller	- Intel® I219-V + i211AT Gigabit LAN
Connector	- 2* RJ 45
Audio	
CODEC	- N/A
Channel	- N/A
SATA	
Max Data Transfer Rate	- 1* SATAIII (6.0Gb/s)
Rear I/O	

VGA	- 1
HDMI	- 1
Ethernet	- 2
USB	- 4* USB 3.0
Audio	- 1 (Line-out, MIC, no function)
DC-input	- 1
Internal Connector	
USB	- 5 (USB 2.0)
PS/2	- 1
LVDS / inverter	- 1 (Co-lay eDP)
eDP	- 1
Serial	- 4 (COM1/2 Support 5V/12V TTL)
SATA	- 1* SATAIII (6.0Gb/s)
M.2	- 2 (M key + E key)
GPIO	- 1 (8 bit)
Chassis intrusion	- 1
Audio Header	- 1 (No function)
SMBUS/ I2C	- 1
AT mode	- 1
Watchdog Timer	
Output	- From Super I/O to drag RESETCON#
Interval	- 256 segments (10sec ~ 255min)
Power Requirements	
Input PWR	- 12 ~ 24V DC-in
Power On	AT/ATX Supported - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready
Certifications	
Certifications	- CE, FCC, RoHS, REACH
Environment	
Temperature	- Operating: 0°C ~ 60°C
	- Storage: -20°C ~ 85°C
Warranty	
Warranty	- 2 Years Limited Warranty
Packing	
Packing	- Color Box dimension: 362*290.5*65mm

*Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.

Accessories

Parts Number	Description
-----	JNC8HA-IH310
G01-SATA3-BL-1F	CABLE for SATA3 50cm
G01-COM-H2M22-1F	COM CABLE
F04-MB-075-F	I/O Shield