



# JNC8H-IH310

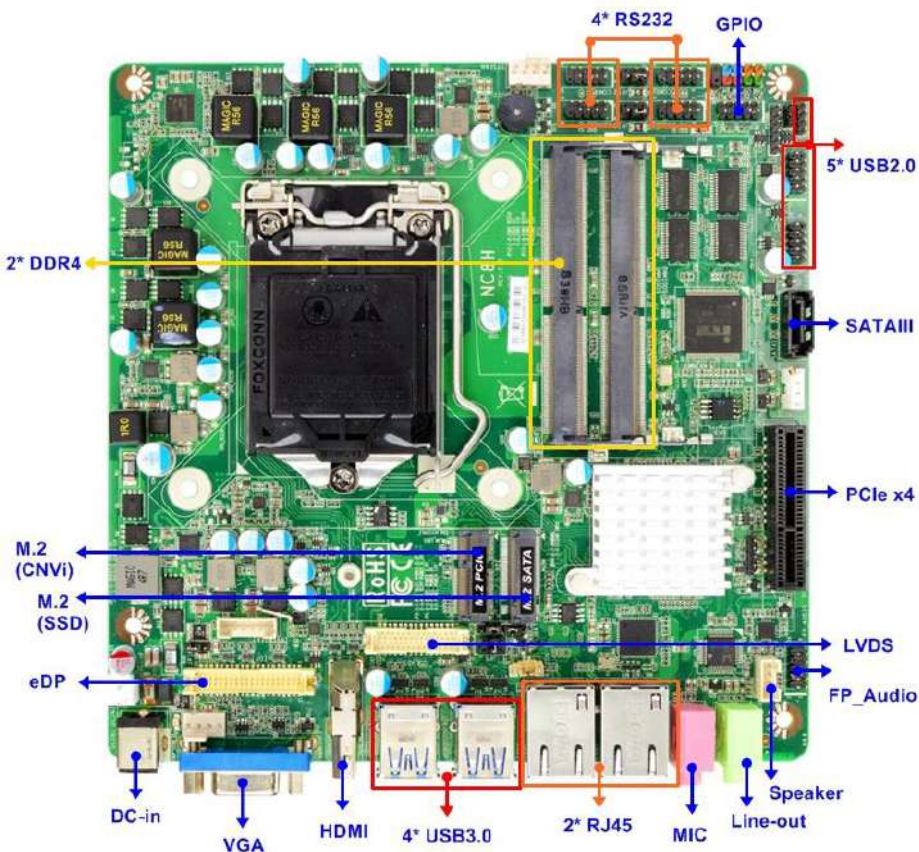
Intel® Coffee Lake-S H310 Chip, Support LGA1151 CPU up to 65W, DDR4 up to 32GB, 12~24V DC-in



1. Intel® LGA1151 Socket Core I3,I5,I7 Pentium Processor (Max 65W)
2. Intel® Coffee Lake-S H310 Chip
3. Support Single Channel DDR4 2133MHz, up to 32GB
4. Realtek ALC662VD Audio
5. 1\* Intel® I219-V + 1\* Intel® i211AT GbE
6. 1\* SATAIII (6Gb/s) & M.2 (M key 2242)
7. HDMI/VGA /EDP (CO-lay LVDS) Output
8. 4\* RS232 (COM1/2 Support 5V/12V TTL), 4\* External USB3.0, 5\* Internal USB2.0
9. 1\* PCIe x4 Slot, 1\* M.2 E key Support CNVi
10. DC 12~24V Input
11. Thin MINI ITX Form Factor (170 \*170 mm)



## Internal Diagram



## Specifications

### Form Factor

Dimensions - Thin 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. - 32GB

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 - HD Audio : Realtek ALC662VD

Channel - Line-Out, MIC

### 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)
DC-input	- 1
<b>Internal Connector</b>	
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
SMBUS/ I2C	- 1
AT mode	- 1
<b>Watchdog Timer</b>	
Output	- From Super I/O to drag RESETCON#
Interval	- 256 segments (10sec ~ 255min)
<b>Power Requirements</b>	
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
<b>Certifications</b>	
Certifications	- CE, FCC, RoHS, REACH
<b>Environment</b>	
Temperature	- Operating: 0°C ~ 60°C - Storage: -20°C ~ 85°C
<b>Warranty</b>	
Warranty	- 2 Years Limited Warranty
<b>Packing</b>	
Packing	- Net Weight: - Gross Weight: - 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
-----	JNC8H-IH310
G01-SATA3-BL-1F	CABLE for SATA3 50cm
G01-COM-H2M22-1F	COM CABLE
F04-MB-075-F	I/O Shield