

# RUGGED COMPLETELY SEALED FULL IP66/NEMA4X STAINLESS STEEL CHASSIS/SURFACE MOUNT PC

21.5" Normal Brightness 250 nits, 1920x1080 with True Flat Projective Capacitive Touch (1-2mm) JNC8H-H310 / i5-8500 ( 9M Cache, up to 4.10GHz / RAM 4GB / SSD 256GB/Window OS 10 Pro 64 bit I/O ( all connectors are waterproof connectors. / 6ft long ) : VGA x1, LAN x1, COM x1, USB x1 ( rear side ), USB x1 ( front side ) +24VDC input

## Model: CCHW2150-SIP-i5-FPCAP-24VDC

### FEATURES:

- High Contrast color LCD Monitor with resolution up to Full HD (1920x1080)
- Completely Sealed FULL IP66/NEMA4X
- JNC8H-H310 / i5-8500 ( 9M Cache, up to 4.10GHz )
- RAM 4GB / SSD 256GB
- Window OS 10 Pro 64 bit
- High Shock & Vibration Resistance
- Widely Application: Automation, Medical, Tourist, Transportation

### SPECIFICATIONS:

Display	Viewing Size Image	21.5"
	Active Display Area (mm)	479 (H) x 270.50 (V)
	Pixel Pitch (mm)	0.248 x 0.248
	Resolution	1920 x 1080
	Contrast Ratio	5000 : 1 (typ.)
	Color	16.7M (8bits/colors)
	Brightness	250 cd/m <sup>2</sup>
	Viewing Angle	-89~89 (H) ; -89~89 (V)
	Recommended Resolution	1920 x 1080 @ 60Hz
	Signal Connector	VGA
Power	Source	24VDC Input
	Management	VESA DPMS Compliant
Optional	Touch	Resistive, PCAP
	High Brightness	YES
	Auto Dimming	YES
	POWER in	DC24V, DC9V~36V
	Remote Control	YES
	IO	AV,HDMI, DVI, DP

*\*Specifications subject to change without notice, not responsible for typographical errors.*

### APPLICATIONS:

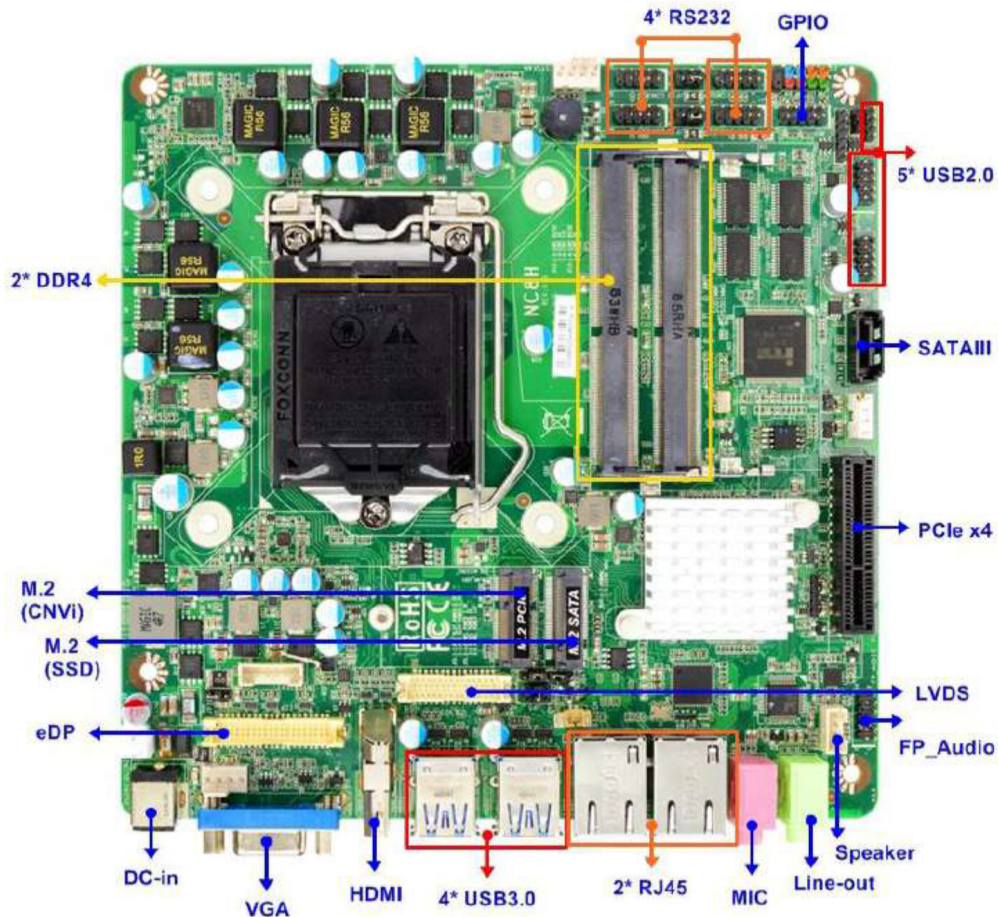


## JNC8H-IH310 MOTHERBOARD



1. Intel® LGA1151 Socket Core i3,i5,i7 Pentium Processor (Max 65W)
2. Intel® Coffee Lake-S H310 Chip support 9th CPU
3. Support Single Channel DDR4 2133MHz, up to 64GB
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

<b>Form Factor</b>	
Dimensions	- Thin Mini ITX ( 170 * 170mm)
<b>Processor System</b>	
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
<b>Expansion Slot</b>	
M.2	-1 (E key 2230,Support CNVi) -1 (M Key 2242)
SATA	-1
PCI-e	-1 * PCI-E x4 slot
<b>Memory</b>	
Technology	- Single channel DDR4 2133MHz DRAM
Max.	-64GB
Socket	-2*SO-DIMM
<b>Graphics</b>	
Controller	- Intel® HD Graphics
VRAM	- Shared Memory
VGA	-1 (Max. Resolution: 1920x1200@60Hz)
LVDS	-1 (Co-lay eDP, Max. Resolution: 1920x1080@60Hz)
eDP1.3	-1 (Co-lay LVDS, Max. Resolution: 4096x2304@60Hz)
HDMI 1.4	-1 (Max Resolution : 4096x2160@30Hz)
Multi Display	- Dual Display
<b>Ethernet</b>	
Ethernet	-10/100/1000 Mbps
Controller	- Intel® I219-V + i211AT Gigabit LAN
Connector	- 2* RJ 45
<b>Audio</b>	
CODEC	- HD Audio : Realtek ALC662VD
Channel	- Line-Out, MIC
<b>SATA</b>	
Max Data Transfer Rate	-1* SATA 1 (6.0Gb/s)
<b>Rear I/O</b>	
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* SATA 1 (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 (IOsec ~ 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

# MECHANICAL DRAWINGS

This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.

