

**15" Industrial Panel / 1024x768 / 300nits, Stainless Enclosure with Full IP66 / VESA mount with Resistive Touch
Intel Core i5-8500 with JNC8H-H310**



MODEL: CCH1500-i5-SIP-TR-V1

FEATURES:

- JNC8H-H310 / i5-8500 (9M Cache, up to 4.10GH, 8th Generation Intel Core i5 Processors)
- RAM 4GB (0C~70C)
- SSD 256GB (0C ~ 70C)
- I/O (all connectors are waterproof connectors / 6ft long) : VGA (or HDMI) x1, LAN x1, RS232 x1, USB x2
- 24VDC with 100-240VAC power adapter
- Win 11 Pro 64bit installation

SPECIFICATIONS:

Display	Viewing Size Image	15"
	Active Display Area (mm)	304.1 (H) x 228.1 (V)
	Pixel Pitch (mm)	0.297 (H) x 0.297(V)
	Resolution	1024 x 768
	Contrast Ratio	700 : 1 (typ.)
	Color	16.2M(6bits+FRC)
	Brightness	300nits
	Viewing Angle	-70~70 (H) ; -60~60 (V)
	Recommended Resolution	1024 x 768 @ 60H, 75Hz
Power	Source	24VDC with 100-240VAC power adapter
	Consumption	25W typical, normal operation
	Management	VESA DPMS Compliant

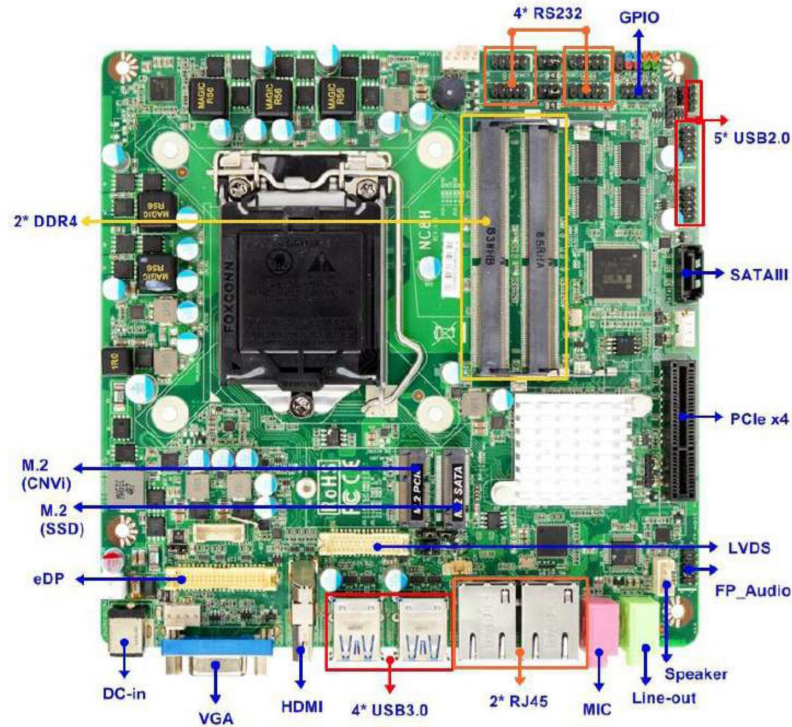
**Specifications subject to change without notice, not responsible for typographical errors.*

JNC8H-H310 MOTHERBOARD SPECS:



- Intel LGA1151 Socket Core i3,i5,i7 Pentium Processor (Max 65W)
- Intel Coffee Lake-S H310 Chip support 9th CPU
- Support Single Channel DDR4 2133MHz, up to 64GB
- Realtek ALC662VD Audio
- 1* Intel® 1219-V + 1* Intel® i211AT GbE
- 1* SATAIII (6Gb/s) & M.2 (M key 2242)
- HDMI/VGA/EDP (CO-lay LVDS) Output
- 4* RS232 (COM1/2 Support 5V/12V TTL), 4* External USB3.0, 5* Internal USB2.0
- 1* PCIe x4 Slot, 1* M.2 E key Support CNVi
- DC 12~24V Input
- Thin MINI ITX Form Factor (170 *170 mm)

INTERNAL DIAGRAM



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)
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: 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
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* SATAN III (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
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* SATA III (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
Watchdog Timer	
Output	- From Super I/O to drag RESETCON#
Interval	- 256 segments (IOsec ~ 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	- Net Weight: - Gross Weight: - Color Box dimension: 362*290.5*65mm