

# SUNLIGHT READABLE HIGH BRIGHTNESS



**RUGGED COMPLETELY SEALED FULL IP66/NEMA4X**  
**55" Fanless Design Industrial Panel / 1920x1080 / 1000nits**  
**Stainless 304 enclosure with Full IP66 / Wall mount, JNC8H-H310**  
**8th Generation i3-8100T (6M Cache, up to 3.10GHz )**  
**RAM 4GB / SSD 256GB / Win 11 Pro 64bit**

**MODEL: CCHW5500HB-SIP-i3-H**

## FEATURES:

- 55" Industrial Panel / 1920 x 1080 / 1000nits
- Stainless 304 Enclosure with Full IP66 / Wall Mount
- AR Glass / Eye bolt x 3
- Blanket heater ( 510W / 220VAC ) x2 with sensor controller ( 0C\_ON, 5C\_OFF ) / Heater ON\_OFF switch
- Operating Temp : -40 to 120F ( = -40 to 48.89C )
- Fanless Design
- JNC8H-H310 / i3-8100T (6M Cache, up to 3.10GHz, 8th Generation Intel Core i3 Processor ) / RAM 4GB / SSD 256GB
- I/O ( all connectors are waterproof connectors / 6ft long ) : VGA x1, USB x1, LAN x1, RS232 x1, 100-240VAC power cord ( for panel use ) and 220VAC power cord ( for Heater use )
- Win 11 Pro 64bit
- **Remark: This unit designed to be installed under completed shaded area without direct sunlight. Not facing East and West**

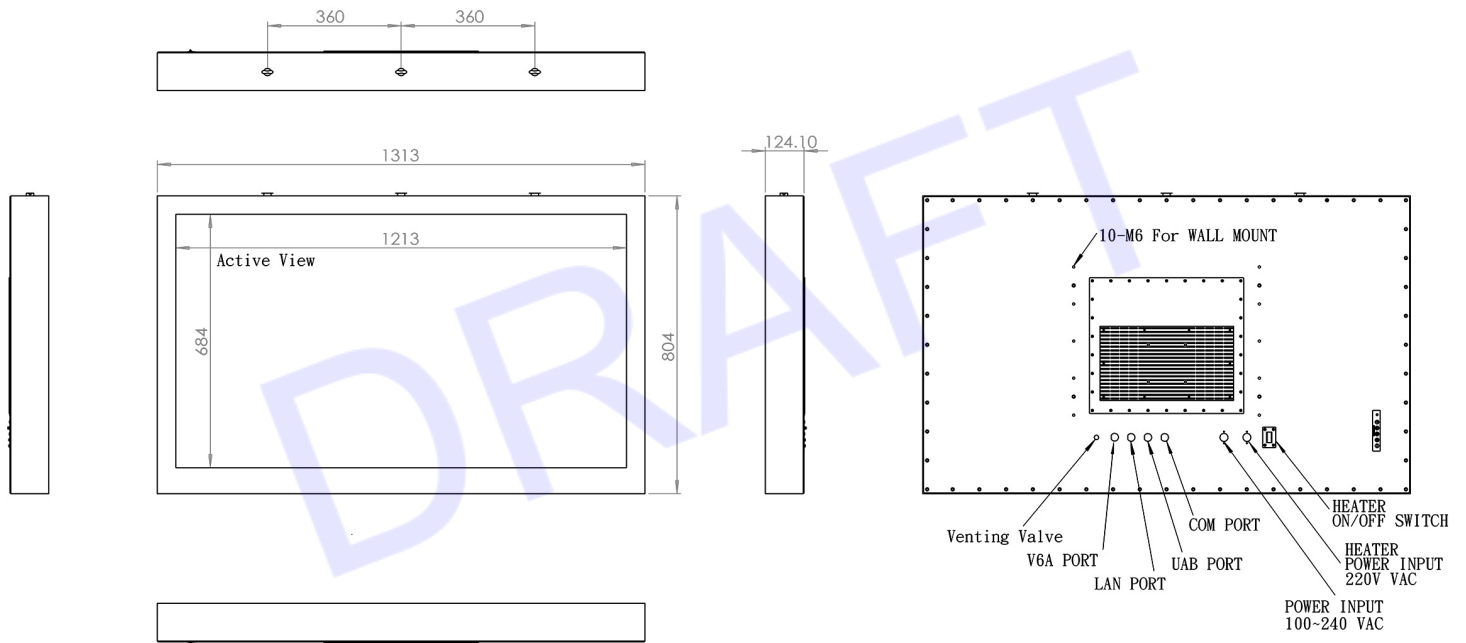
## SPECIFICATIONS:

<b>Display</b>	Viewing Size Image	55"
	Active Display Area (mm)	1213 (H) x 684 (V)
	Pixel Pitch (mm)	0.21(H)x 0.63(V)
	Resolution	1920x1080
	Contrast Ratio	4000 : 1 (typ.)
	Color	1073.7M (10bits/color)
	Brightness	1000nits
	Viewing Angle	-89~89 (H) ; -89~89(V)
<b>Power</b>	Recommended Resolution	1920 x 1080 @ 60Hz
	Source	AC100V~AC240V
<b>Optional</b>	Management	VESA DPMS Compliant
	Touch	Resistive, PCAP,IR
	High Brightness	1000,1500
	Auto Dimming	YES
	POWER in	DC24V
	Remote Control	YES
	IO	AV, DP

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

## MECHANICAL DRAWING:

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



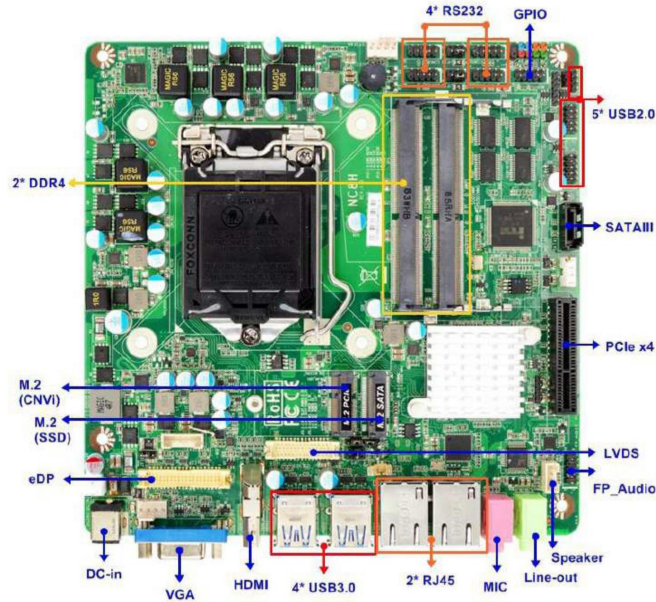
Drawing No.: CCHW5500HB-SIP-i3-H-07112023-V1

## MOTHERBOARD SPECIFICATIONS:



- Intel LGA1151 Socket Core 13,15,17 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



<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)
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® 1219-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* SATAN III (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 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
<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