



55" INDUSTRIAL PANEL PC OUTDOOR HIGH BRIGHTNESS DISPLAY

1920 x 1080 | 2500 nits | High TNi | Full IP66 | -15°C to 50°C (with Heater)

 1920 x 1080 Resolution	 2500 nits High Brightness	 High TNi Wide Viewing Angle	 -15°C to 50°C Operating Temperature (with Heater)	 IP66 Full Body Waterproof	 SUS 304 Stainless Steel Enclosure	 AR Glass Anti-scratch Impact-resistant	 Fanless Dust-proof
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MODEL: CCHW5500H2-P-J

FEATURES:

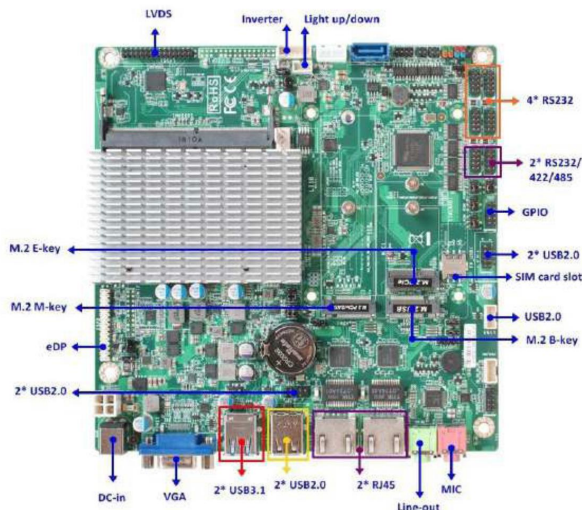
- 55" industrial panel / 1920 x 1080 / 2500nits / High TNi / Portrait
- Operation Temp. : -15C to 50C(with heater)
- SUS 304 enclosures with Full IP66 / wall mount
- AR glass with 3M Rejection film
- Air curtain design inside / venting valve x 2pcs / eye bolt
- Environmental board installation inside (reduce brightness 30% when inside Temp. reach at 50C)
- Fanless design
- JLI1BV-0L / J6412 (4M Cache, up to 2.60GHz Intel® Celeron™ Processor) / RAM 4GB / SSD 256GB
- I/O (all connectors are IP67 waterproof connectors / 6ft cable length) : VGA x1, USB x1, LAN x1, RS232 x1 and 100-240VAC power input
- Win 11 Pro 64bit installation
- Added Silica gel bags inside to reduce the moisture
- Added thermal pad / insulation sheet inside the back enclosures cover
- Removed the inside air from venting valve in the final installation step
- Sun hood
- Blanket heater (510W / 100 or 220VAC) / Temp. controller (5C_ON, 15C_OFF) / Heater ON_OFF switch / waterproof AC power cord It has the separated Heater Power ON/OFF switch to avoid condensation issue.a

SPECIFICATIONS:

Display	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	2500 cd/m ²
	Viewing Angle	-89~89 (H) ; -89~89(V)
	Recommended Resolution	1920 x 1080 @ 60Hz
	Input/output	VGA x1, USB x1, LAN x1, RS232 x1
Power	Source	100-240VAC power input
	Consumption	170W typical, normal operation
	Management	VESA DPMS Compliant

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

JLI1BV-0L - MOTHERBOARD



FEATURES:

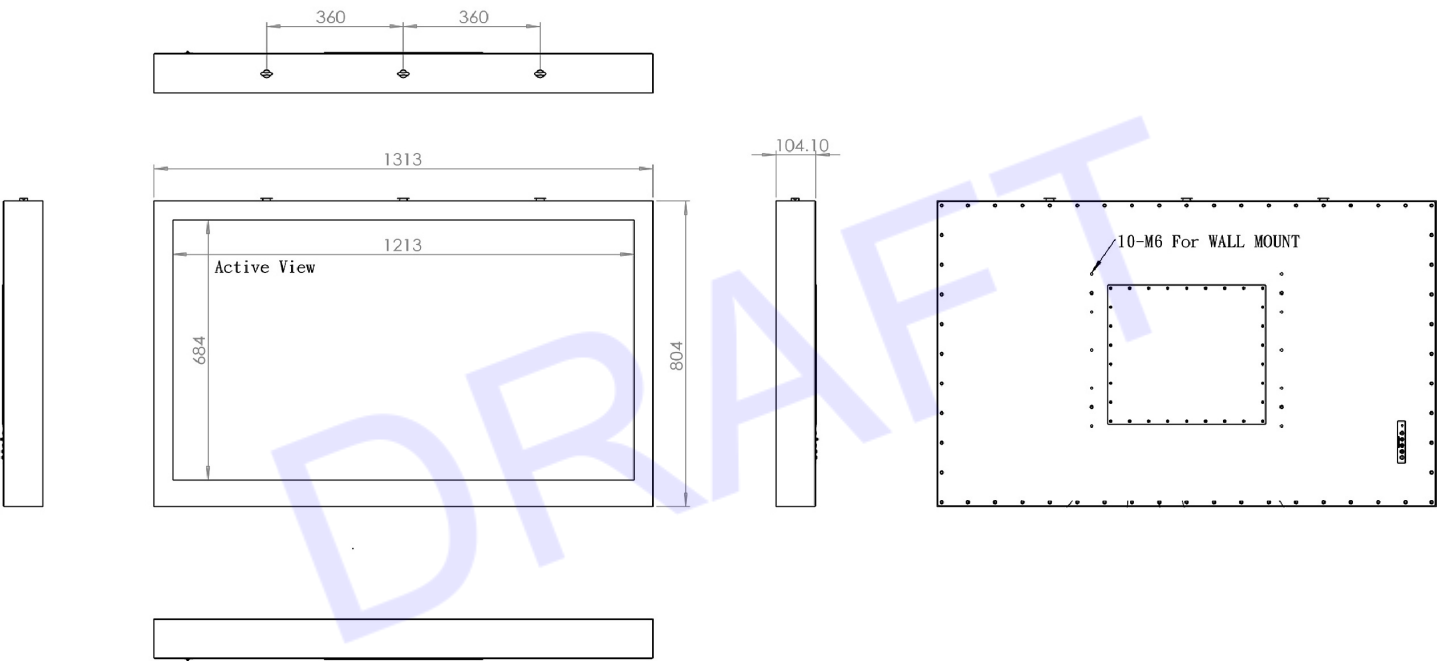
- Intel Elkhart Lake J6412 2.0GHz/QC Core MCP Processor (Turbo 2.6GHz)
- 1* DDR4 3200MHz up to 32GB
- Realtek HD Audio
- 2* Intel® 1225V 2.5GbE
- 1* SATAIII, 1* M.2 (M-key)
- 1* VGA, 1* eDP, 1* LVDS
- 2* RS232/422/485, 4* RS232, 2* USB3.1 (Gen. 1), 7* USB2.0
- 1* M.2 E key Support WIFI/BT Module , 1* M.2 B key Support 4G/5G Module
- 12V DC-in

MOTHERBOARD SPECS:

FORM FACTOR	
ITX (170 * 170mm)	
PROCESSOR SYSTEM	MEMORY
Intel® Elkhart Lake J6412 Quad Core MCP SoC Processor JLI1BV-0L (Quad Core 2.0GHz/10W, Turbo 2.6GHz) AMI 128M Flash ROM	1* DDR4 3200MHz SO-DIMM up to 32GB
STORAGE	EXPANSION
1* SATAIII (6.0 Gb/s) 1* M.2 M-key (2242/2280, SATA or NVMe- PCIe x2)	1* M.2 E-key (2230, support WIFI/BT Module) 1* M.2 B-key (3042/3052, support 4G/5G Module) 1* Nano SIM card slot
ETHERNET	GRAPHICS
2* Intel® i225V 2.5GbE	Intel® HD Graphics, shared memory 1* VGA (Max Resolution: 1920x1080@60Hz, Co-lay HDMI) 1* LVDS (Max Resolution: 2560x1600@60Hz, Co-lay eDP) 1* eDP (Max Resolution: 4096x2304@60Hz, Co-lay HDMI) Support Triple Displays
AUDIO	WATCHDOG TIMER
Realtek HD Audio 3W Speaker Amplifier	From Super I/O to drag RESETCON# 256 segments (10sec ~ 255min)
INTERNAL I/O	EXTERNAL I/O
5* USB2.0 2* RS232/422/485 4* RS232 1* SATAIII, 1* SATA Power 3* M.2 (M key + E key + B key) 1* GPIO (8 bit, 5V) 1* AT mode 1* I2C/SMBUS 1* FP_ Audio 1* Speaker 1* TPM2.0 (Option) 1* CPU FAN	1* VGA 2* RJ45 2* USB3.1 (Gen. 1) 2* USB2.0 Line-out MIC 12V DC-in
POWER	COMPLIANCE
12V DC-in, AT/ATX Supported - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready	CE, FCC, RoHS, REACH
TEMPERATURE	OS SUPPORT
Operating Temperature: 0 ~ 60° C Storage Temperature: -20 ~85° C Humidity: 10% ~ 90% RH @40°C (non-condensing)	Windows 10, Windows 11, Linux

MECHANICAL DRAWING

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



Drawing No.: CCHW5500H2-P-J-10142026-V1