

# Full IP65 Stainless LCD Monitor

Rugged Completely Sealed Full IP66/NEMA4X Stainless Steel Chassis/Surface Mount 55" Brightness 450 nits, 1920x1080 Integrated with embedded PC MS-98F5 ( J1900 ) / RAM 4GB / SSD 256GB ( -40~85C )+ I/O ( LTW waterproof connector ) : USB x 2, RS232 x 1, LAN x 2 and 100~240 power cord +Win 10 IoT Ent 2019 LTSC Multi Lang ESD OEI Entry



USB INPUT IS OPTIONAL FOR TOUCHSCREEN

## MODEL: CCHW5500-SIP-J

### FEATURES:

- High contrast color TFT LCD monitor support resolution up to Full HD (1920x1080)
- Widely used in chemical industrv, food industrv, medical devices, appliances etc with good corrosion resistance.

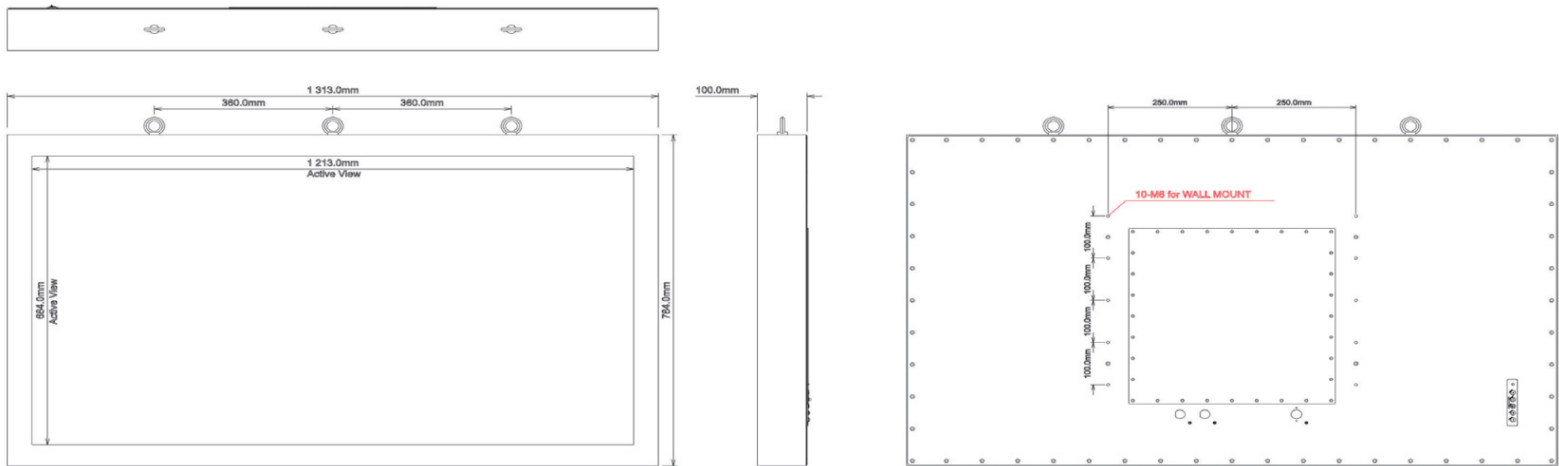
### SPECIFICATIONS:

<b>Display</b>	Viewing Size Image	55"
	Active Display Area (mm)	1209.6 (H) x 680.4 (V)
	Pixel Pitch (mm)	0.21(H)x 0.63(V)
	Resolution	1920x1080
	Contrast Ratio	4000 : 1 (typ.)
	Color	1073.7M (10bits/color)
	Brightness	450 cd/m <sup>2</sup>
	Viewing Angle	-89~89 (H) ; -89~89(V)
	Recommended Resolution	1920 x 1080 @ 60Hz
	Signal Connector	VGA,DVI
<b>Power</b>	Source	AC100V~AC240V
	Consumption	170W typical, normal operation
	Management	VESA DPMS Compliant
<b>Optional</b>	Touch	Resistive, PCAP,IR
	High Brightness	1000,1500
	Auto Dimming	YES
	POWER in	DC24V
	Remote Control	YES
	IO	AV,HDMI,DP

**IP65 Waterproof connectors:**

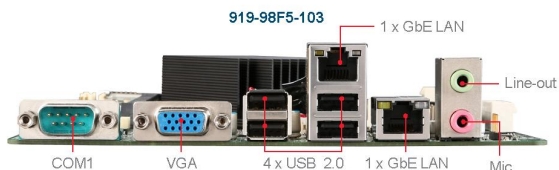
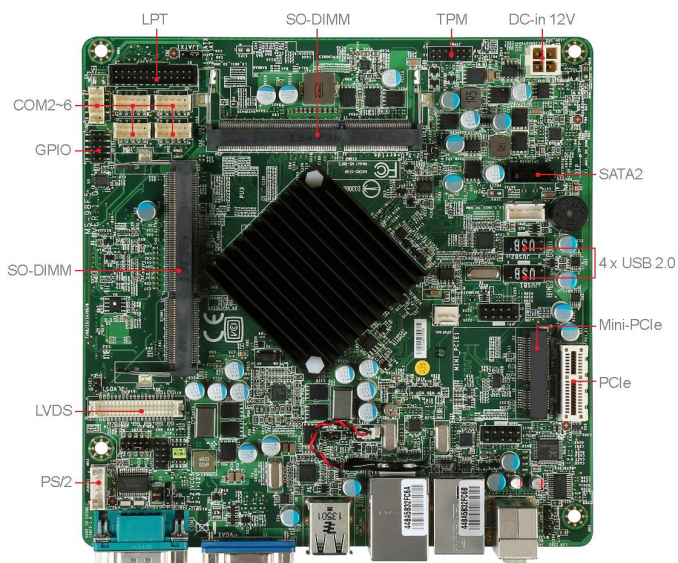
VGA Input DVI Input USB Input Power Input  
(Option)

### MECHANICAL DRAWING



## PC SPECS:

- Support Intel® BayTrail Quad Core 1.83/2GHz processor
- Low power and fanless design
- Support 6 COMs and 8 USB 2.0
- Intel® Gen 7 graphics technology



<b>Processor</b>	CPU	Intel Celeron Processor J1900/N2930
	Frequency	2 GHz (Quad Core, for J1900) 1.83 GHz (Quad Core, for N2930)
	L2 Cache	2 MB
	CPU Type	BGA
	Chipset	Integrated
	BIOS	AMI
<b>Memory</b>	Technology	Dual-channel DDR3L 1333/1066 MHz
	Max Capacity	Up to 8GB
	Socket	2 or 1 x 204-pin SO-DIMMs (depends on SKU)
<b>Display</b>	Controller	Intel® HD Graphics
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM
	LVDS	Dual Channel 24-bit (add chrontel 7511B chipset)
	VGA	1
	Multiple Display	2 independent displays
	Display Interface	VGA up to 2560 x 1600 LVDS up to 1920 x 1200
<b>Ethernet</b>	Controller	2 or 1 x Realtek® RTL8111G-CG GbE LAN (depends on SKU)
<b>Audio</b>	Controller	Realtek® ALC887 HD Audio Codec
<b>Super I/O</b>	Controller	Fintek F81866AD-I
<b>H/W Monitor</b>	Watchdog Timer	256-level Watchdog Timer
	Smart Fan	Yes
<b>TPM</b>	Controller	Pin header
<b>I/O Interface</b>	USB	8 x USB 2.0 (4 x internal; 4 x rear)
	Serial	6 x COM (COM1: rear, COM2~COM6: internal) COM1: RS-232, 0V/5V/12V COM 2~6: RS-232, w/o power
	Parallel	1 (Pin header)
	PS/2	1 (Pin header)
	GPIO	8-bits (4 x GPI, 4 x GPO), 3.3V
<b>Expansion</b>	PCIe x1	1
<b>Slot</b>	Mini-PCIe	1 x Full-size (w/ mSATA)
<b>Storage</b>	SATA	1 x SATA 2.0
	mSATA	1
<b>Power Supply</b>	DC	DC-in 12V
	ATX	N/A
<b>Environment</b>	Operating Temp	0 ~ 60°C
	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temp	-40 ~ 85°C
	Storage Humidity	10 ~ 90%, non-condensing
<b>Form Factor</b>	Dimension	170mm x 170mm (Mini-ITX)
	Weight	0.37 Kg
<b>Certification</b>	EMC	FCC, CE, C-Tick, VCCI, BSMI