

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

43" Normal Brightness 200-300 nits with AR Front Glass + \*MS-98E1 ( H110 SKU ) / i5-6500 / RAM 8GB ( 0C~70C ) / SSD 128GB ( 0C ~70C ) + Power x1, VGA x 1 output, RS232 x 1 + Audio x 1, LAN x 1, USB x 2 Default 7 set waterproof connectors Waterproof connectors & cables with external 100~240V AC + adapter



## MODEL: CCHW4300SIP-i5

### FEATURES:

- High Contrast color TFT LCD Monitor support resolution up to Full HD (1920x 1080 )
- Widely used in chemical industry, food industry, medical devices, appliances etc. with good corrosion resistance
- Full IP65 Stainless Design
- Universal Power adapter.
- Support DDC1 & DDC2B for Plug & Play compatibility.
- Advanced OSD control for picture quality adjustment

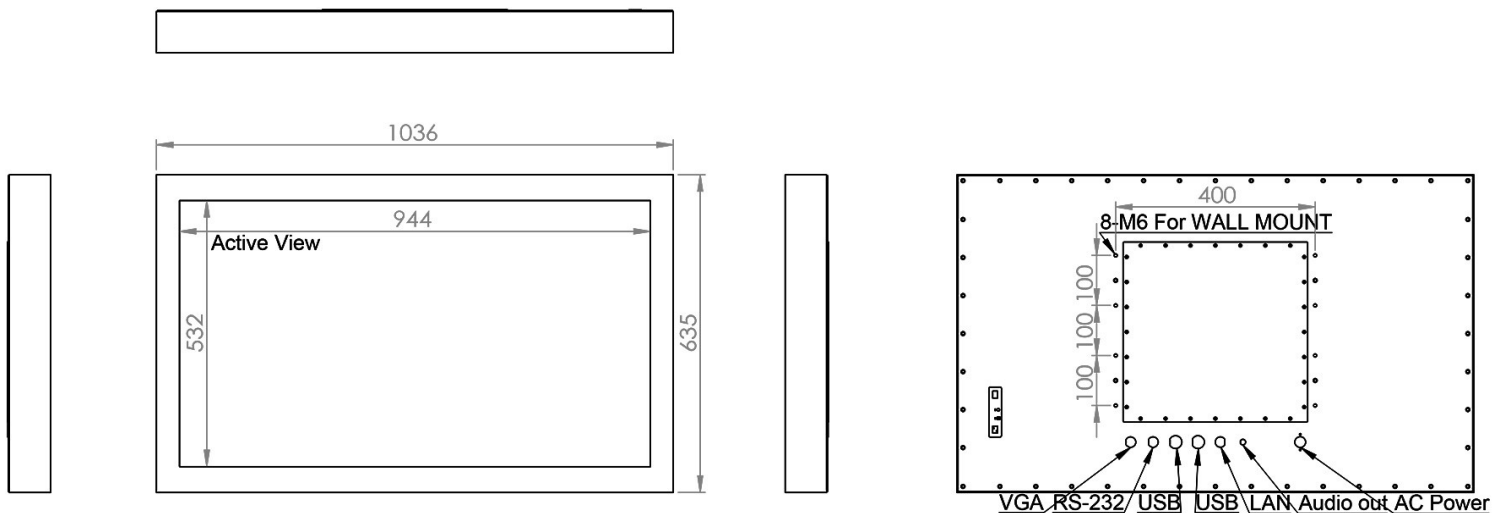
**USB INPUT IS OPTIONAL FOR TOUCHSCREEN**



### SPECIFICATIONS:

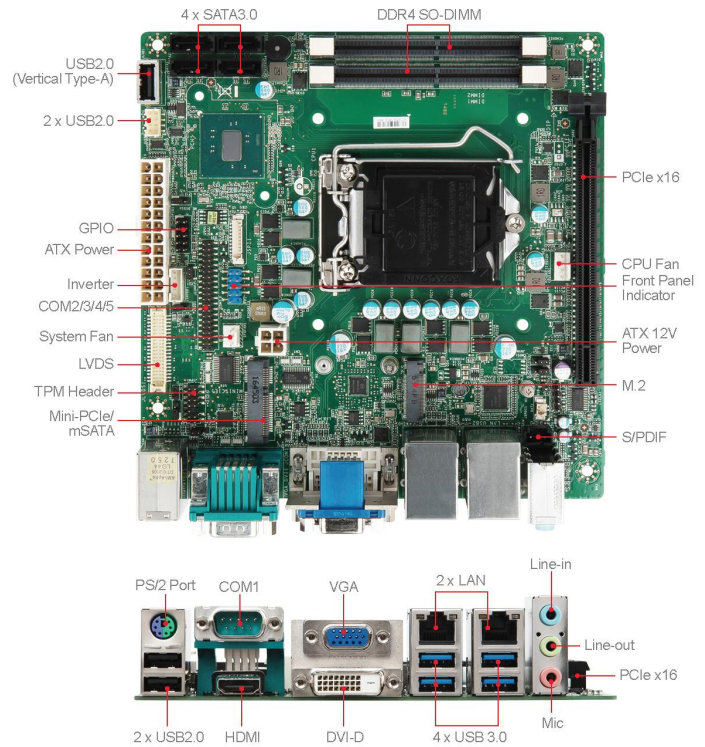
Display	Viewing Size Image	43"
	Active Display Area (mm)	944 (H) x 532 (V)
	Pixel Pitch (mm)	0.4902(H)x 0.4902(V)
	Resolution	1920x1080
	Contrast Ratio	1100:1 (typ.)
	Color	16.7 M
	Brightness	300 cd/m
	Viewing Angle	-89~89 (H) ; -89~89 (V)
	Recommended Resolution	1920 x 1080 @ 60Hz
	Signal Connector	VGA, DVI
Power	Source	100V~240VAC power cord
	Consumption	49.28W typical, normal operation
	Management	VESA DPMS Compliant
	Touch	Resistive, PCAP, IR
Optional	High Brightness	1000,1500
	Auto Dimming	YES
	POWER in	DC24V
	Remote Control	YES
	IO	AV, HMI, DP

### MECHANICAL DRAWING



## PC SPECS MS-98E1

<b>Processor</b>	CPU	C236 SKU	H110 SKU	
		7th/6th Gen Intel® Desktop Kaby Lake/Skylake Xeon/i7/i5/i3/Pentium®/Celeron Series Processor, Max 80W	7th/6th Gen Intel® Desktop Kaby Lake/Skylake Core™ i7/i5/i3/Pentium®/Celeron® Series Processor, Max 65W	
	Frequency	2.3GHz~4.0GHz (Depends on CPU)		
		2M ~ 8M (Depends on CPU)		
	CPU Type	Socket (LGA 1151)		
Chipset	Intel® C236 Express	intel® H110 Express		
	BIOS	AMI		
<b>Memory</b>	Technology	Dual-channel DDR4 (ECC) 2133MHz/2400MHz (7th Gen)	Dual-channel DDR4 (non-ECC) 2133MHz/2400MHz (7th Gen)	
	Max. Capacity	Up to 32 GB		
	Socket	2 x 260-pin SO-DIMMs		
<b>Display</b>	Controller	Intel® HD Graphics		
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM		
	LVDS	1		
	eDP	N/A		
	VGA	1		
	DVI	1 (DVI-D)		
	HDMI	1		
	DisplayPort	N/A		
	Multiple Display	3 independent displays	2 independent displays	
	Display Interface	LVDS up to 1920 x 1200 HDMI up to 3840 x 2160 DVI-D up to 1920 x 1200 VGA up to 1920 x 1200		
<b>Ethernet</b>	Controller	1 x Intel® I219-LM GbE-PHY 1 x Intel® I211-AT PCIe GbE LAN(Co-lay I210-AT)		
<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	4 x USB 3.0 (4 x rear) 4 x USB 2.0 (2 x rear; 2 x internal) 1 x USB 2.0 (Vertical, internal)		
	Serial	5 x COM (1 x rear; 4 x internal) COM1: RS-232/422/485, 0V/5V/12V COM2/3/4/5: RS-232, 0V/5V/12V		
	Parallel	N/A		
	PS/2	1		
	GPIO	8-bits (4 x GPI, 4 x GPO), 5V		
<b>Expansion Slot</b>	PCIe x 16	1		
	M2	1 x M key (PCIe x4, SATA3.0, 2242)	N/A	
	M.2 Mini-PCIe	1 x Full-size, mSATA		
<b>Storage</b>	SATA	4 x SATA 3.0	3 x SATA 3.0	
	mSATA	1 (shared w/ Mini-PCIe)		
<b>Power Supply</b>	DC	N/A		
	ATX	ATX-Power 24P, 12V-4P		
<b>Environment</b>	Operating Temperature	0 ~ 60°C		
	Operating Humidity	10 ~ 90%, non-condensing		
	Storage Temperature	-20 ~ 80°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, RCM, VCCI, BSMI		
<b>Software Platform</b>	OS Support	Windows 7 (32/64-bit) Windows 8.1 (64-bit) Windows 10 (64-bit) Linux Kernel 4.X, support Fedora 23(64Bit) & Ubuntu 16.04 (64Bit) of Kaby Lake-S & Skylake-S		



- 3 independent displays with multiple video outputs (LVDS, HDMI, DVI-D, VGA)
- Supports DirectX 11.1 and Intel® Clear Video Technology (up to 1080P)
- 4 SATA 3.0 ports for RAID
- Supports m-SATA function by Mini-PCIe slot
- Plenty USB ports for more peripherals(USB3.0\*4, USB2.0\*4, Vertical Type USB2.0\*1)
- 2 independent displays with multiple video outputs (LVDS, HDMI, DVI-D, VGA)
- Supports DirectX 11.1 and Intel® Clear Video Technology (up to 1080P)
- 3 SATA 3.0 ports for faster and high-capacity storage
- Supports m-SATA function by Mini-PCIe slot
- Plenty USB ports for more peripherals(USB3.0\*4, USB2.0\*4, Vertical Type USB2.0\*1)