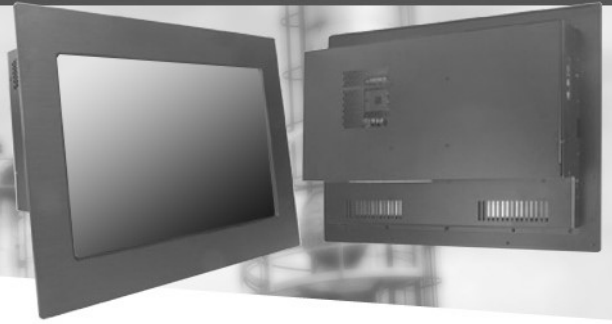


# INDUSTRIAL IP65 PANEL PC

17" Industrial Panel 1920x1200, 600nits Panel Mount (with 3mm front bezel) clamp VESA mount Resistive Touch Fan design MS-98F5 (2 x LAN) J1900 ( 2.0 GHz ) quad-core processor / RAM 4GB / SSD 128GB I/O : 12VDC with external 100~240VAC power cord Windows 10 Enterprise 2016 LTSB



**MODEL: EMCW1700X-J-V1**

## FEATURES:

- Modularize mechanical design provides flexible product configuration and easy maintenance
- Optional build-in touch screen for interactive application
- 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

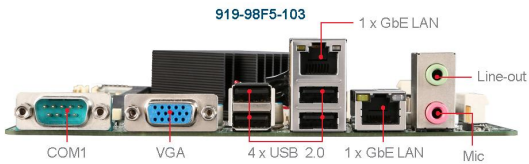
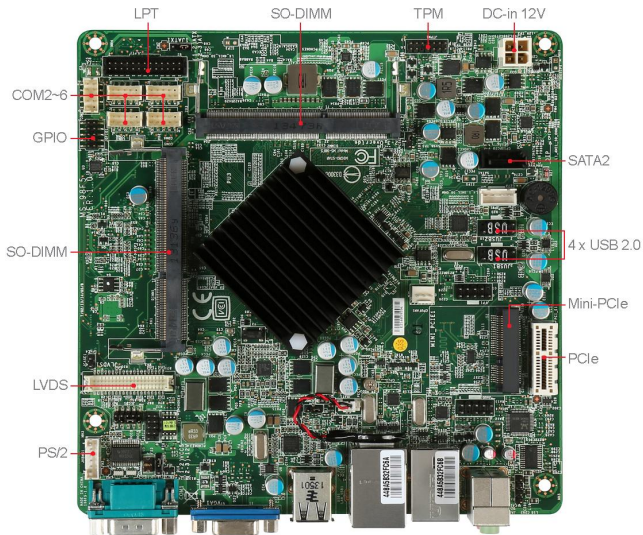
## LCD SPECIFICATIONS:

<b>Panel</b>	Cell Type / Glass Surface	TFT LCD / Black Anti-Glare, low reflection coating
	Aspect Ratio / Size	wide / 17" viewable diagonal area
	Active Area / Pixel Pitch	382.0(H) x 244.3(V) mm / 0.191 (H) x 0.191 (V) mm
	Native Resolution / Color	1920(H) x 1200(V) / 262 K
	Brightness / Contrast	600 cd/m <sup>2</sup> (typ) / 600 : 1
	Response Time	≤ 16 ms
	Viewing Angle (Typical)	H. 140° (- 70° ~ + 70°) , V. 120°(- 60° ~ + 60°)
	Light Source	LED, Long life, 35,000 hrs (typ)
<b>Power</b>	Power Input	12VDC with external 100~240VAC
	Power Consumption	62 Watt, <1 Watt
<b>Environmental</b>	Operating Temperature	0°C ~ 70°C (32°F ~ 158°F)
	Operating Humidity	0%~95%(non-condensing)

<b>Options</b>	<b>Touch</b>	<b>Enhanced Panel</b>	<b>Other</b>	
	Resistive (With Glass)	High Brightness Panel	Wifi	Networking Digital Signage
	Capacitive	Panel-LED Backlight	3G	Web Cam
	SAW	Wide Temperature	Bluetooth	Motion Sensor
		Wide Viewing Angle	RFID	Auto Light Sensor
	Sunlight Readable		Auto-Dimming	

## MS-98F5 PC SPECIFICATIONS

- 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
<b>Memory</b>	Technology Max.	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
<b>Ethernet</b>	Controller	2 or 1 x Realtek® RTL8111G-CG GbE LAN (depends on SKU)
	Audio	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

# MECHANICAL DRAWING:

