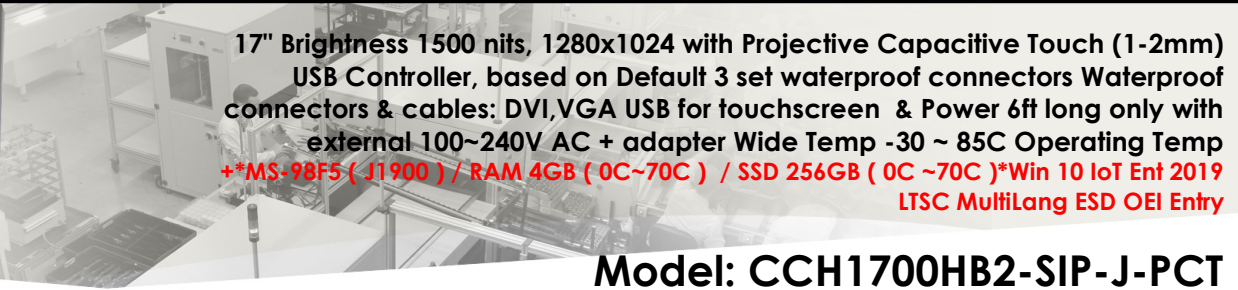


# RUGGED COMPLETELY SEALED FULL IP66/NEMA4X STAINLESS STEEL CHASSIS/SURFACE MOUNT



17" Brightness 1500 nits, 1280x1024 with Projective Capacitive Touch (1-2mm)  
 USB Controller, based on Default 3 set waterproof connectors Waterproof  
 connectors & cables: DVI,VGA USB for touchscreen & Power 6ft long only with  
 external 100~240V AC + adapter Wide Temp -30 ~ 85C Operating Temp  
 +\*MS-98F5 ( J1900 ) / RAM 4GB ( 0C~70C ) / SSD 256GB ( 0C ~70C ) \*Win 10 IoT Ent 2019  
 LTSC MultiLang ESD OEI Entry

**Model: CCH1700HB2-SIP-J-PCT**

## FEATURES:

- High Contrast color LCD Monitor with resolution up to SXGA (1280x1024)
- Completely Sealed FULL IP66/NEMA4X
- High Shock & Vibration Resistance
- Widely Application: Automation, Medical, Tourist, Transportation

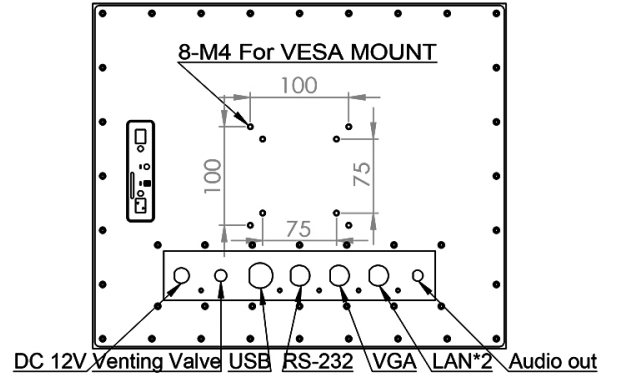
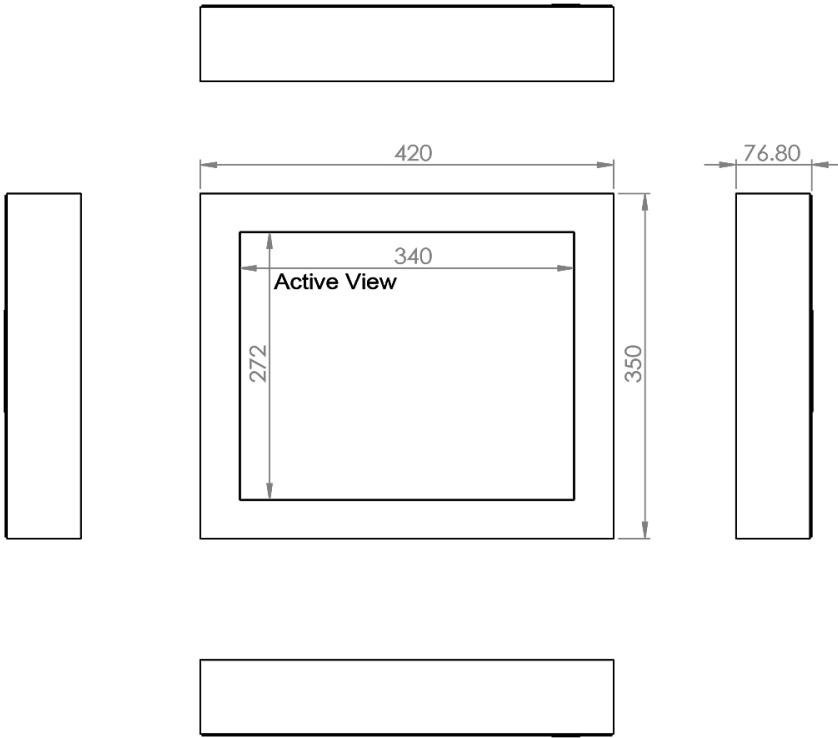
## SPECIFICATIONS:

<b>Display</b>	Viewing Size Image	17"
	Active Display Area (mm)	340 (H) x 272 (V)
	Pixel Pitch (mm)	0.264 (H) x 0.264(V)
	Resolution	1280 x 1024
	Contrast Ratio	1000 : 1 (typ.)
	Color	16.7M (6bits+FRC)
	Brightness	1500 cd/m <sup>2</sup>
	Viewing Angle	-85~80(H) ; -85~80 (V)
	Recommended Resolution	1280 x 1024 @ 60Hz, 75 Hz
	Signal Connector	VGA,DVI
<b>Power</b>	Source	12V DC in, with External AC-DC Adapter(100-240V)
	Consumption	42W typical, normal operation
	Management	VESA DPMS Compliant
<b>Optional</b>	Touch	Resistive, PCAP,IR
	High Brightness	1000,1500
	Auto Dimming	YES
	POWER in	DC24V,DC 9V~36V
	Remote Control	YES
	IO	AV,HDMI,DP

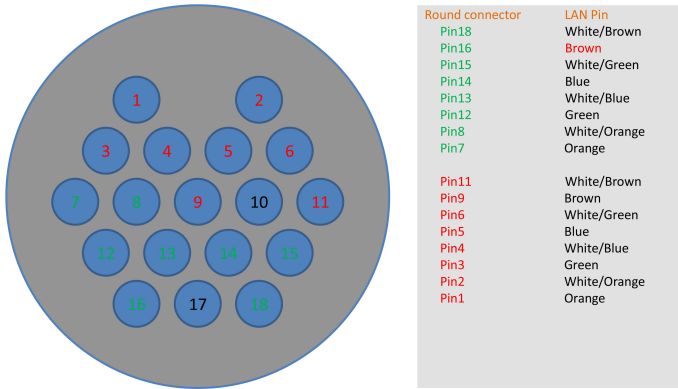
## APPLICATIONS:



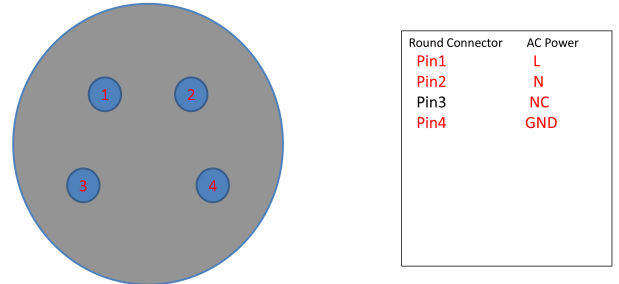
## MECHANICAL DRAWING:



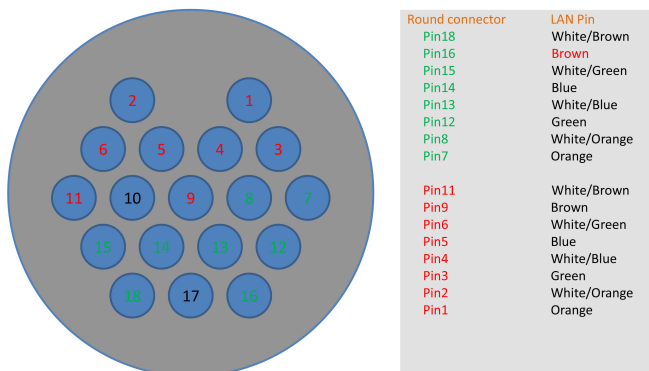
### Outer Pin Assignment LAN\*2



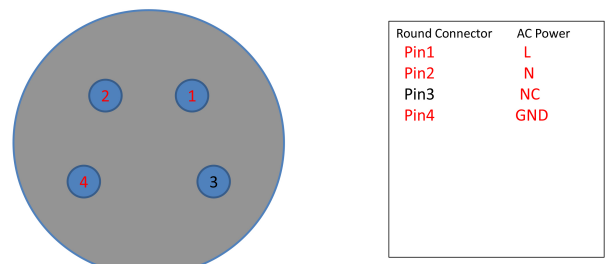
### POWER Outer Pin Assignment



### Inner Pin assignment LAN\*2

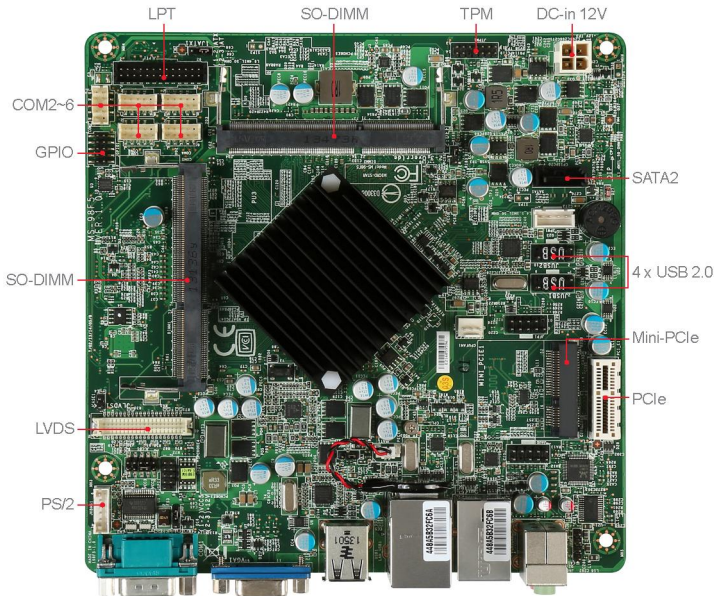


### POWER Inner Pin assignment



## MS-98F5 Features

- 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



919-98F5-101



919-98F5-103



<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	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 Slot</b>	PCIe x1	1
		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 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>	Dimensions	170mm x 170mm (Mini-ITX)	
	Weight	0.37 Kg	
<b>Certification</b>	EMC	FCC, CE, C-Tick, VCCI, BSMI	