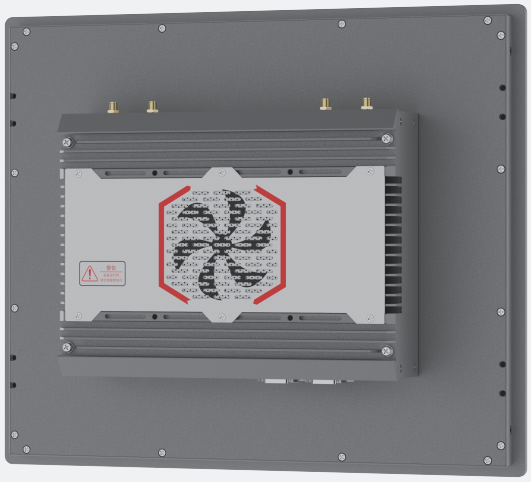
IPC170-H

DESKTOP HIGH PERFORMANCE CPU | WIFI、BT、4G | SSD

SUPPORTS UP TO 2T | ADAPTIVE GIGABIT NETWORK CHIP





IPC170-H HIGH PERFORMANCE INDUSTRIAL ALL-IN-ONE PC

- Intel 6/7/8/9th Gen Core i3/i5/i7/i9、Pentium and Celeron LGA1151 Port CPU
- DDR4 high speed memory, support up to 64GB；SSD supports up to 2T
- 4*Intel® 10M/100M/1000M adaptive gigabit network chip; 4 Serial ports (support up to 2*RS485), 4*USB3.0、1 * HDMI、1 * DP、1 * AUDIO、1 * Remote SW、1 * SIM Card、2*DC IN
- Support 2*PCI；1*PCI/1*PCIE；2*PCIE（Expand）
- WiFi、BT、4G and other wireless configurations are optional
- Mounting method: support 100mm*100mm VESA mounting、rack mounting and wall mounting

SINSMART

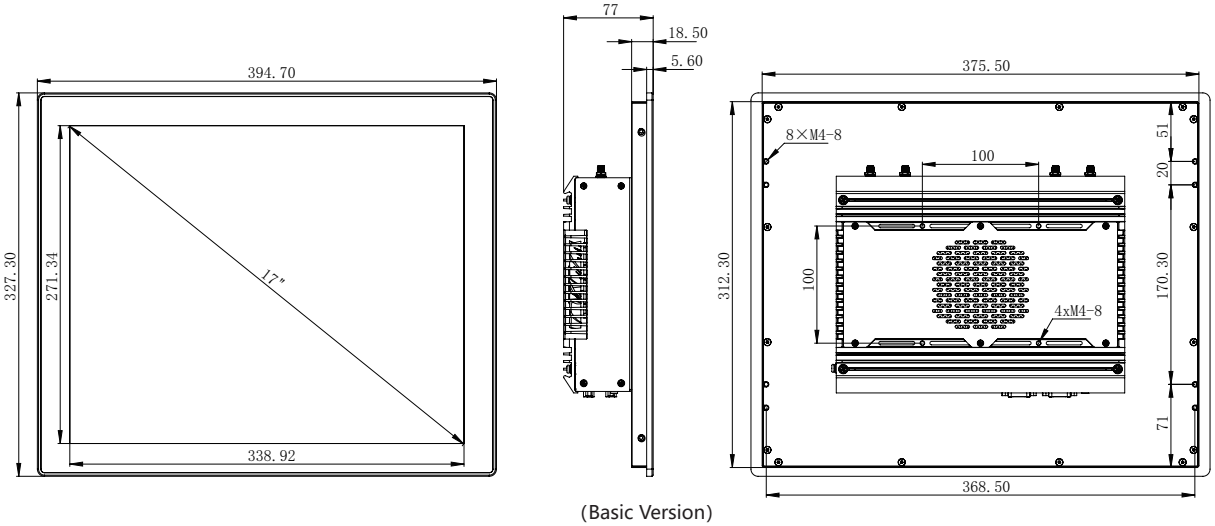
SPECIFICATION

SPECIFICATION PARAMETER

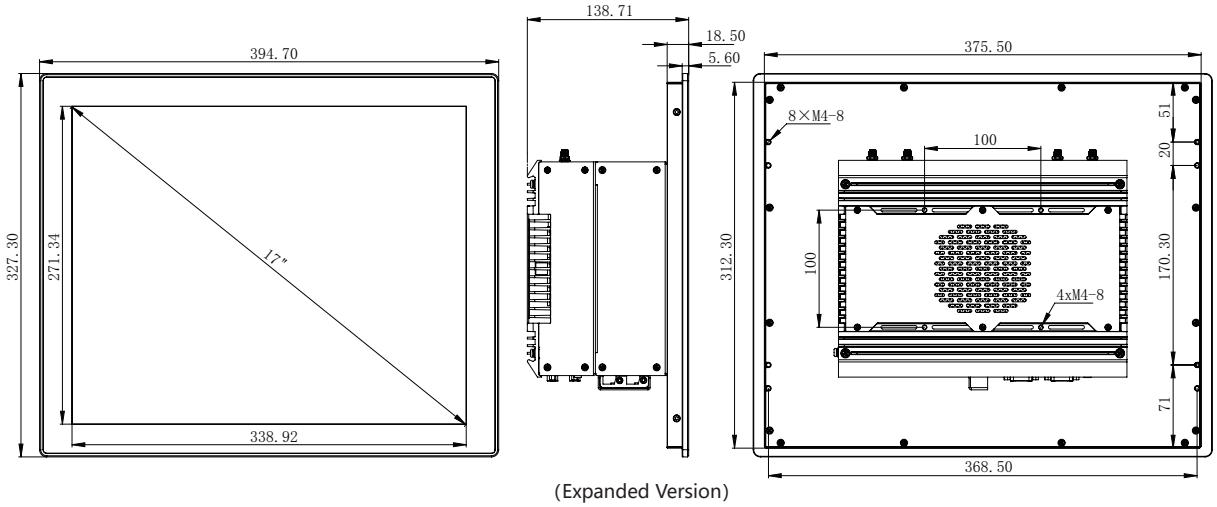
System Parameters	CPU	Intel 6/7/8/9th Gen Corei3/i5/i7/i9、Pentium and Celeron LGA1151 Port CPU **TDP 65W**
	RAM	2*DDR4 (up to 2600 MT/s) SO-DIMM high-speed memory, support up to 64GB
	Storage	1 * SATA3.0 7P Connector (2.5-inch drives supported, max 2TB for HDD)+1 * M.2 M-key
I/O Interfaces	Network	4 * Intel®1Gbps PCIe Ethernet Controller, RJ-45 Ethernet Port
	Audio	Realtek® HDA Codec, with MIC/Line-out
	USB	4 * USB3.0, 1 * USB2.0(Internal, Hardware Security Dongle), 4 * USB2.0(Internal, Header)
	Serial Ports	2 * RS232; 2 * RS232 / RS485
	Expansion Slots	1 * mini PCIe slot, with SIM slot(WIFI/BT/4G) ; 1*PCIe x16 socket(optional) Support up to PCI+PCIE/PCIE*2/PCI*2
	Other Interfaces	1 * HDMI，1 * DP，1 * AUDIO，1 * Remote SW，1 * SIM Card，2*DC IN
Physical Specifications	Dimensions(W*H*D)	395mm*327mm*77mm (Expanded version：395mm*327mm*139mm)
	Cutout Dimensions(W*H)	377mm*314mm （1.50/1.70mm larger than the actual cutout dimensions）
	Net Weight	6.82kg (Expanded version: 7.42kg)
Operating System	Operating System	Support Windows 7/8.1/10/11, Linux
Power Supply	Input Voltage	9-36VDC(Phoenix terminal)
LCD Panel	Screen Type	17.0" Full HD TFT
	Resolution	1280*1024
	Maximum Colors	16.7MB
	Backlight	LED
	Backlight MTBF(hours)	30000hrs
	Pixel Pitch (H*V)	0.264*0.264
	Luminance	250cd/m²
	Contrast Ratio	1000 : 1
	Viewing Angle	(L) 85 / (R) 85 / (T) 80 / (B) 80
Touch Screen	Touch Screen Types	10-point capacitive touch screen, Non-touch screen
	Transmittance	> 85%
	Controller	USB Port
	Response Time(stylus)	< 5ms
	Surface Hardness	Mohs hardness 6H
	Touch Life	250g / 35,000,000 times
	Stroke Life	250g / 5,000,000 times
Environmental Parameters	Operation Temperature	0 ~ 50° C (32~122°F) (Using standard temperature grade SSD)
	Custom Version	-20 ~ 60° C (-4 ~ 140°F) (Using wide-temperature grade SSD)
	Storage Temperature	-20 ~ 60° C (-4 ~ 140°F)
	Relative Humidity	10~95% RH@40°C,non-condensing
	Vibration During Operation	SSD applied: 1.5 Grms, 5 ~ 500 Hz, 1 hr/axis
	Shock During Operation	SSD applied: 10 G, Half-sine wave
	EMC	CE/FCC Class B
	Waterproofing	The front panel meets IP65 protection class

DIMENSION

DIMENSION FIGURE



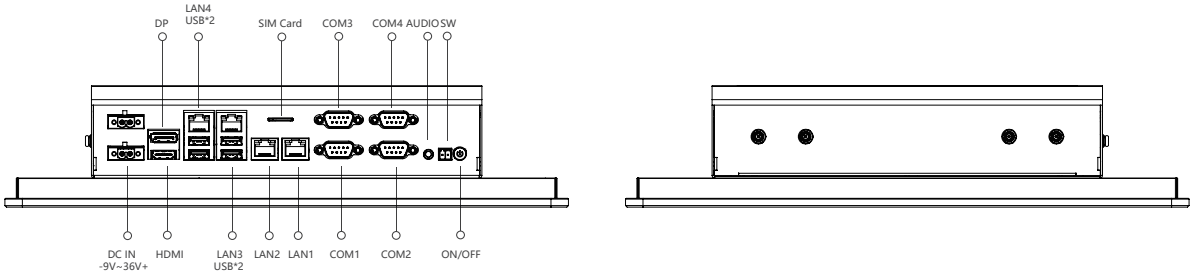
(Basic Version)



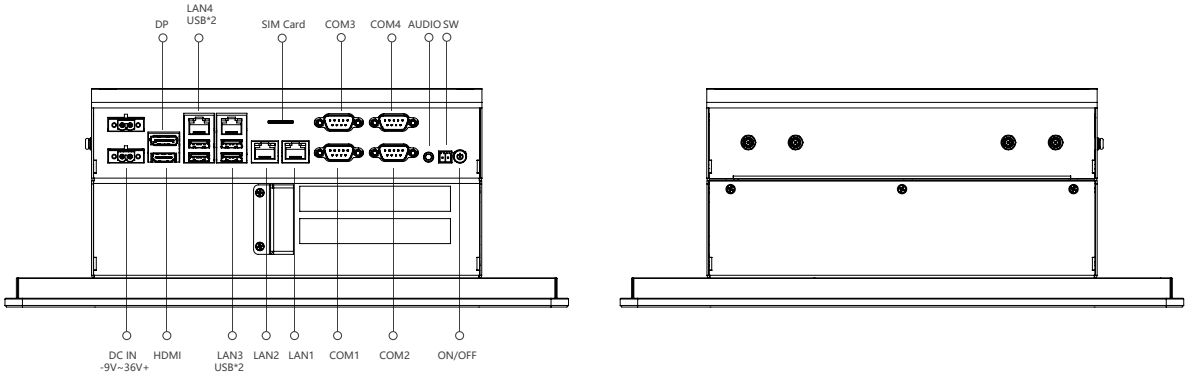
(Expanded Version)

INTERFACE

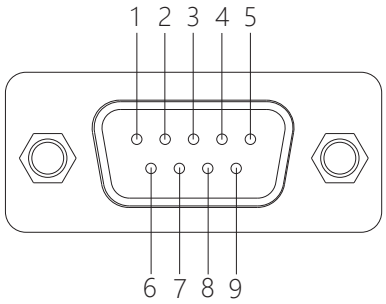
INTERFACE DRAWING



(Basic Version)



(Expanded Version)



COM Port Pin Definition Description

RS232	
PINOUT	FUNCTION
1	DCD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

RS485	
PINOUT	FUNCTION
1	485_B
2	485_A
3	NC
4	NC
5	GND
6	NC
7	NC
8	NC
9	NC