

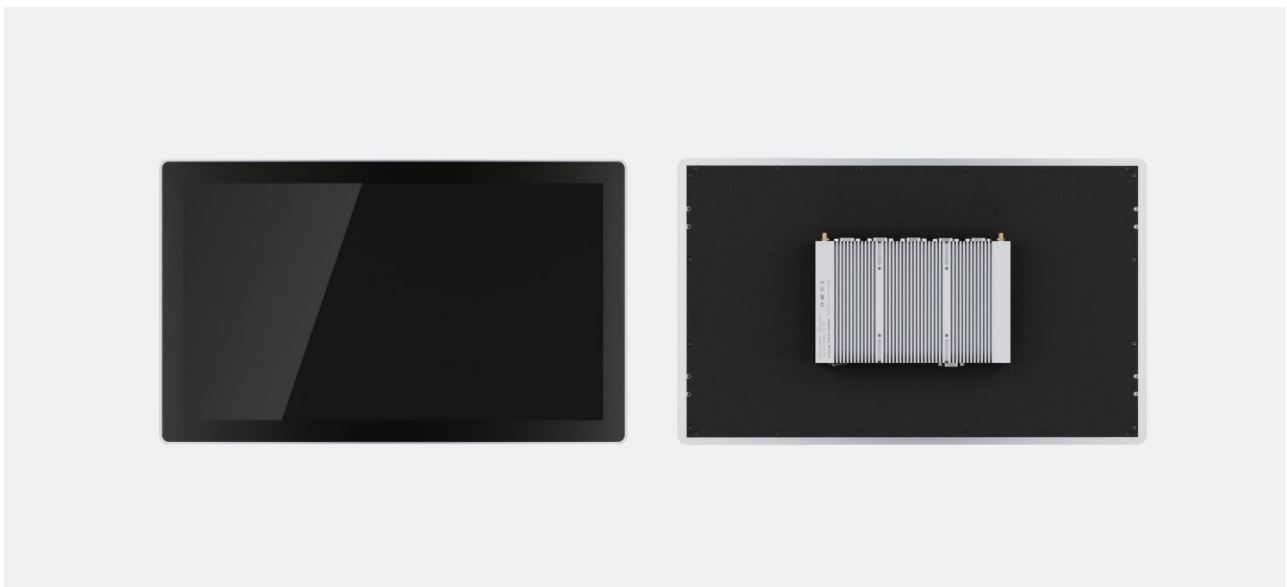
1 Product Overview

1.1 Product introduction

21.5" Ultra-thin all-aluminum body fanless tablet PC

- Intel® Celeron® J1900 2.0Ghz Quad-Core Quad-Threading
- 4GB DDR3L high-speed memory, support up to 8G; SSD solid state disk
- Dual Realtek 10M/100M/1000M Adaptive Gigabit network chip; 6 serial ports (supports up to 2*RS485), 1*USB3.0, 3*USB2.0, 1*HDMI, 1*VGA
- Panel mounting opening size (recommended) 514*311 (W*H) (1.40/1.81mm larger than the actual opening size)
- External Dimensions 533*325*69 (W*H*D)
- Mounting: Support 75mm*75mm VESA mounting and front flush mounting.

1.2 Product Appearance



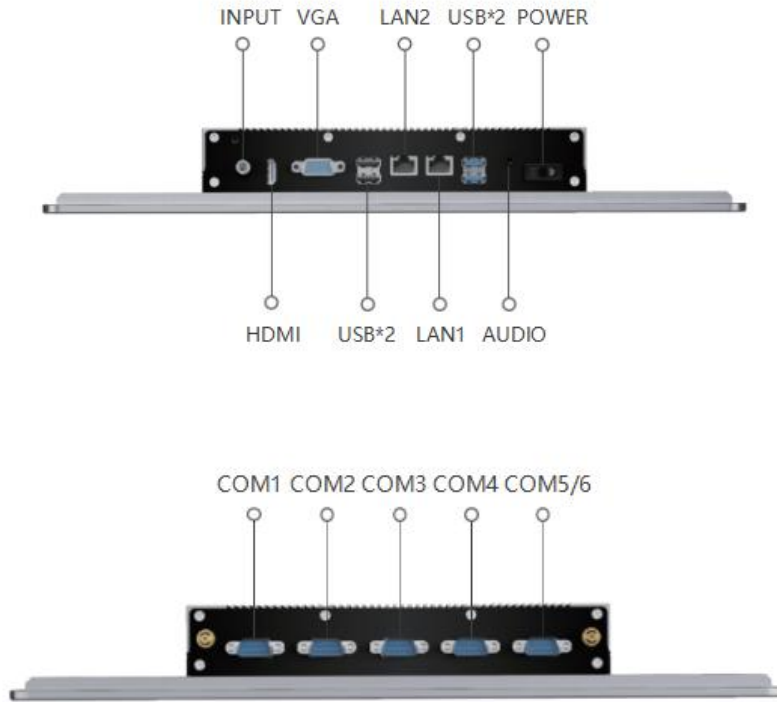
2 Specifications

System parameter	CPU	Intel®Celeron™ J1900
	Frequency	Quad-Core Quad-Threading / 2.0GHz
	RAM	Supports DDR3 High Speed Memory , 1 * SO-DIMM Slot, supports up to 8GB
	Storage	128GB
I/O Interface	Ethernet	2*Realtek® 1Gbps PCIe Ethernet Controller, RJ-45 Ethernet Interface
	Audio	Realtek® HDA Codec, with MIC/Line-out
	USB Port	1*USB3.0/3*USB2.0
	Serial Port	4*RS-232; 2*RS-232 / RS-485
	Expansion slot	1 * SATA3.0 7+15P Connector/2*Mini-PCle (1*mSATA, 1*Wifi+4G)
	Other interfaces	1*VGA / 1*HDMI/DC-IN
Physical property	Size (W*H*D)	533mm*325mm*69mm
	Cutout Dimensions(W*H)	514mm*311mm(1.40/1.81mm larger than actual opening size)
	Weight	7.26kg
Operating system	Operating system	Supports Windows 7, Windows 10, Linux
Power supply	Input Voltage	9-36VDC
	power consumption	20W
LCD	Screen Type	21.5" Full HD TFT
	Resolution	1920*1080
	Maximum color	16.7MB
	Backlight	LED
	Backlight MTBF (hours)	50000hrs
	Pixel pitch	0.248*0.248
	Brightness	250cd/m ²
	Contrast	1000 : 1
	Angle	(L) 89/ (R) 89 / (T) 89 / (B) 89
	Touch Screen Type	10 contact capacitive touch screen, high temperature five-wire resistive touch screen, no touch
	Transmittance	> 85%
	Controllers	USB Interface

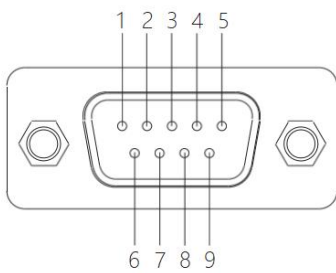
Touch Screen	Response time (stylus)	< 5ms
	Surface hardness	Mohs hardness 6H
	Touch Life	250g / 35,000,000 times
	Stroke life	250g / 5,000,000 times
Environmental parameters	Operating temperature	0 ~ 50° C (32~122°F) (Using normal temperature rated SSDs)
	Storage temperature	-20 ~ 60° C (-4 ~ 140°F)
	Relative humidity	10~95% RH@40°C, non-condensing
	Vibration at work	SSD applied: 1.5 Grms, 5 ~ 500 Hz, 1 hr/axis
	Shock at work	SSD applied: 10 G, half-sine wave
	EMC	CE/FCC Class B
	waterproofing	IP65 rated front panel

3 Port Description

3.1 Interface



3.2 Pin Definitions



COM PIN Definition

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

RS485	
引脚	功能
1	485_B
2	485_A
3	NC
4	NC
5	GND
6	NC
7	NC
8	NC
9	NC

COM5/COM6	
引脚	功能
1	NC
2	RXD
3	TXD
4	NC
5	GND
6	NC
7	RXD
8	TXD
9	NC

4 Dimension

Unit:mm

