

Industrial Waterproof Panel PC

WPPC-H1580T

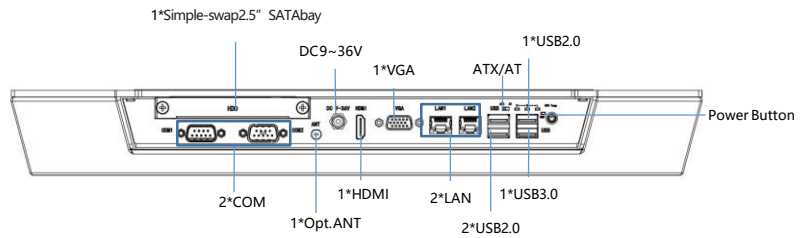
15" TFT LCD, Resistive /Capacitive touch , Intel®Celeron J1900 CPU, 2*GbE LAN, 2*COM,1*USB3.0, 3*USB2.0, 1*HDMI, 1*VGA, SUS304 & Fanless design



Key Features

- Intel® Baytrail Celeron J1900 2.0-2.42G CPU
- 1-Ch DDR3L 1333MHZ SODIMM, Up to 8GB
- SUS304 grade stainless steel enclosure
- 3.0mm 5052 aluminum rear cover
- Full Flat bezel design, fanless
- Totally IP65/IP66(except for IO interface)
- Support for standard VESA 100*100 mounting
- 15" LED TFT LCD, Resistive/Capacitive touch
- 1*HDMI, 1*VGA,2*GbE LAN,2*COM, 1*USB3.0, 3*USB2.0
- 1*Opt. ANT, support 4G LTE/WiFi/BT4.0
- 1*Mini PCIe (PCIe+ USB, w/SIM)
- 1*Simple-swap 2.5" SATA bay , 1*mSATA
- DC 9~36V power input

WPPC-H1580T is a rugged, super-reliable, fanless embedded waterproof panel PC. The front panel is made of SUS304 stainless steel. The back cover is made of a 3.0mm 5052 aluminum alloy, which can meet both CPU thermal dissipation and VESA mounting. It is powered by Intel® Celeron J1900 CPU, 1-Ch DDR3L 1333 MHz SODIMM, Up to 8GB. Supports 15-inch 1280*1024@60Hz TFT LCD, Resistive/Capacitive touch. This PC adopts full flat bezel design. In addition to IO interface, the waterproof grade of this PC can reach IP65/IP66. It has super waterproof, solid and reliable, high performance, multi-IO, multi-extension, wide range of applications. Suitable for wet, cold and harsh environment.



This is a 2D drawing with the IO cover removed

SPEC.

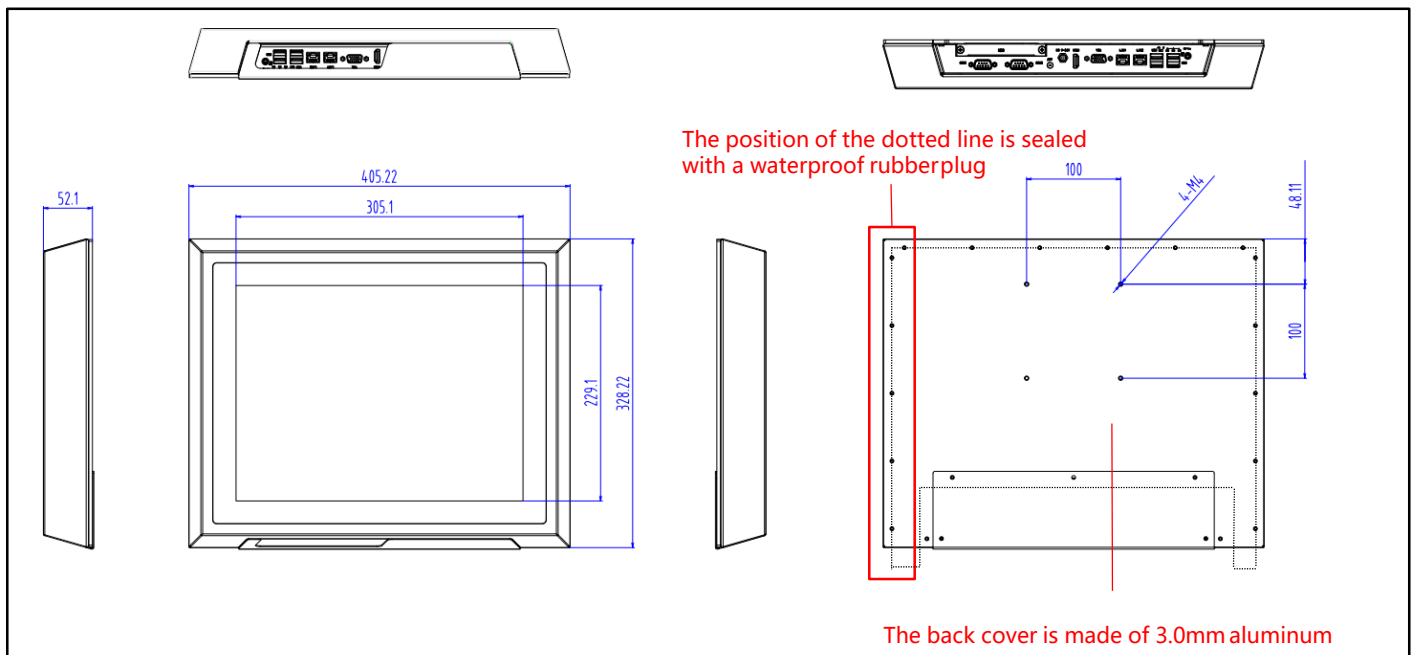
System	CPU	Intel® Baytrail Celeron J1900 2.0-2.42G CPU
	Chipset	Intel SoC
	System Memory	1-Ch DDR3L, 1333MHz SODIMM MAX 8GB
	BIOS	AMI UEFI BIOS
	Storage	1*Simple-swap 2.5" SATA bay; 1*mSATA(full size), support AHCI
	Display	Gen.7 Intel® HD Graphics 15" LED TFT LCD and HDMI, VGA three display, VGA Max resolution : 1920*1200@60Hz; HDMI Max resolution : 1920*1080@60Hz Support OpenGL 3.2, DirectX 11, OpenCL 1.2, MPGE2/H.264
	Touch	Resistive/Capacitive touch
	Expansion	1*Mini PCIe(full size) with PCIe X1+ USB, with SIM slot 1*Full size mSATA with USB2.0
	Rear I/O	2*RJ45 GbE LAN (with LED); 2* RS232/422/485 (DB9) 1*USB3.0 Type A; 3*USB2.0 Type A 1*HDMI; 1*VGA; 1*Opt. ANT
	Audio	Realtek ALC662VD controller, Support 5.1 channel
	LAN	2*Intel I211AT PCIe Gig. Ethernet, 10/100/1000Mbps
	LED	1*Power LED; 1*HDD LED; 3*CPU Temp.LED(Red is warning, Yellow is high, Green is normal)
	Control SW	1*Power button, 1*AT/ATX Select dip
	Power Supply	DC 9~36V, D-Jack w/ M8 connector, Consumption: TDP 12W/ 1.62A
	Watchdog Timer	Watchdog timeout programmable via software 1 to 255 second
OS Support	Windows 7, Windows 8.1, Windows 10, Linux Fedora Ubuntu	
Mechanical	Structure	The whole body: SUS304 Stainless steel Back cover: 3.0mm 5052 Aluminum IO cover: 1.0mm SECC/SGCC
	Mounting	Desktop VESA(100mm*100mm) mounting
	Dimension	(W*H*D): 405.22mm*328.22mm*52.1mm
	Net weight	5.8KG

*All specifications and photos are subject to change without notice.

Environmental	Operating temperature	0~60℃	
	Storage Temperature	-40℃~85℃	
	Storage Humidity	10~90%@40℃, non-condensing	
	Vibration	1g 5~500Hz	
	Shock	10g peak acceleration(duration 11ms)	
	Certification/EMC	CE/FCC ClassB	
LCD	Type	15.0" TFT LED	
	Resolution	1024*768	
	Color	16.2M colors	
	Pixel Pitch(mm)	0.297*0.297	
	Brightness(cd/m2)	350	
	Viewing Angle	80 °(左), 80 °(右), 80 °(上), 80 °(下)	
	Operating Temperature	-20~70℃	
	Backlight Lifetime	50000Hours	
Touch	Type	5 wire resistive touch	Projected capacitive touch
	Resolution	gapless	gapless
	Light Transmittance	83%	90%
	Interface	USB	USB
	Consumption	+ 5V@200mA	+ 5V@300mA
	OS	Windows, Linux	Windows/Linux
	Click Lifetime	35 million times	3 billion times

Dimension

Unit:mm



Ordering Info.

Model No.	Introduction
WPPC-H1580T-T001	Industrial Waterproof Panel PC, Intel® Baytrail Celeron J1900 CPU, 15" TFT LCD, Resistive touch, 1*HDMI, 1*VGA, 2*G-LAN, 2*COM, 1*Opt. ANT, 1*USB3.0, 3*USB2.0, 1*Mini PCIe, 1*Simple-swap 2.5" SATA bay, 1*mSATA, DC9~36V
WPPC-H1580T(P)-T001	Industrial Waterproof Panel PC, Intel® Baytrail Celeron J1900 CPU, 15" TFT LCD, Capacitive touch, 1*HDMI, 1*VGA, 2*G-LAN, 2*COM, 1*Opt. ANT, 1*USB3.0, 3*USB2.0, 1*Mini PCIe, 1*Simple-swap 2.5" SATA bay, 1*mSATA, DC9~36V

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