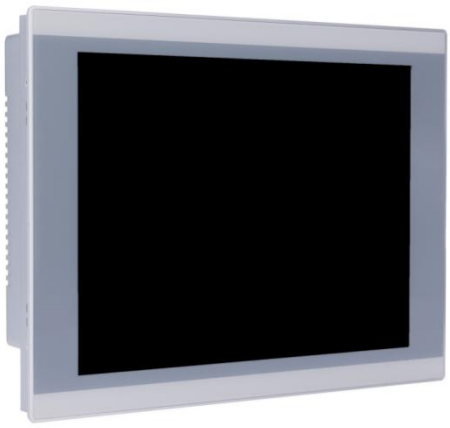
A2 PA-121TPC-CE5B

12.1" Industrial Panel PC
Intel® Celeron® or Core processor



Characteristic

- 12.1" TFT LED panel
- High temperature five-wire resistive touch screen
- Optional Intel® Celeron® or Core processor
- Aluminum alloy casing, compact fanless design
- Front panel protection grade IP65
- Support full size Mini PCIe expansion
- Support USB 3.0
- Support Windows Embedded and LINUX
- Support VESA 75

Overview

This product is a cost-effective LCD industrial panel computer, which can choose Intel® Celeron® or Core processor, and the compact embedded system can provide high-performance computing. High durability design, front panel protection level IP65, high temperature five-wire resistive touch screen, supports multiple interfaces to meet various industrial applications.

Specification

Processor	CPU	Intel® Celeron® J1900
	Frequency	2.00GHz
	L2 cache	2MB
	Memory	1 x SO-DIMM, DDR3L 1333, Maximum support 8 GB
	Storage	1 x 2.5" SATA Bay, 1 x mSATA Bay
	Network (LAN)	1 x 10/100/1000 Mbps Ethernet
	I/O Interface	3 x RS232
	Expand	1 x Full-size Mini PCIe slot
	watchdog timer	255 levels
Physical properties	Size	306.8 x 235.12 x 54.5 mm
	Weight	3.1 Kg
OS	Operating system	Windows 7 32bit&64bit / Windows 8.1 32bit&64bit Windows 10 32bit&64bit/WES7/Linux
Power consumption	Input voltage	12 Vdc
	Power consumption	20W
LCD display	Display type	12.1" TFT LCD (LED backlight)
	Resolution	1024 x 768
	angle of view	80 (left), 80 (right), 80 (top), 80 (bottom)
	brightness(cd/m2)	350
	contrast	1000
	Backlight life	30,000 hours (Min.)
Touch screen	Type	High temperature five-wire resistive touch screen
	Transmittance	80±5% at 550 nm wavelength
	controller	USB interface
	Durability (number of touches)	≥35 million times
Environment	Operating temperature	0 ~ 50°C with SSD 0 ~ 40°C with HDD
	Storage temperature	-20 ~ 60°C
	Relative humidity	10 ~ 95% @ 40°C(non-condensing)
	EMC	CCC
	Safety	CCC
	Front panel protection	IP65 standard

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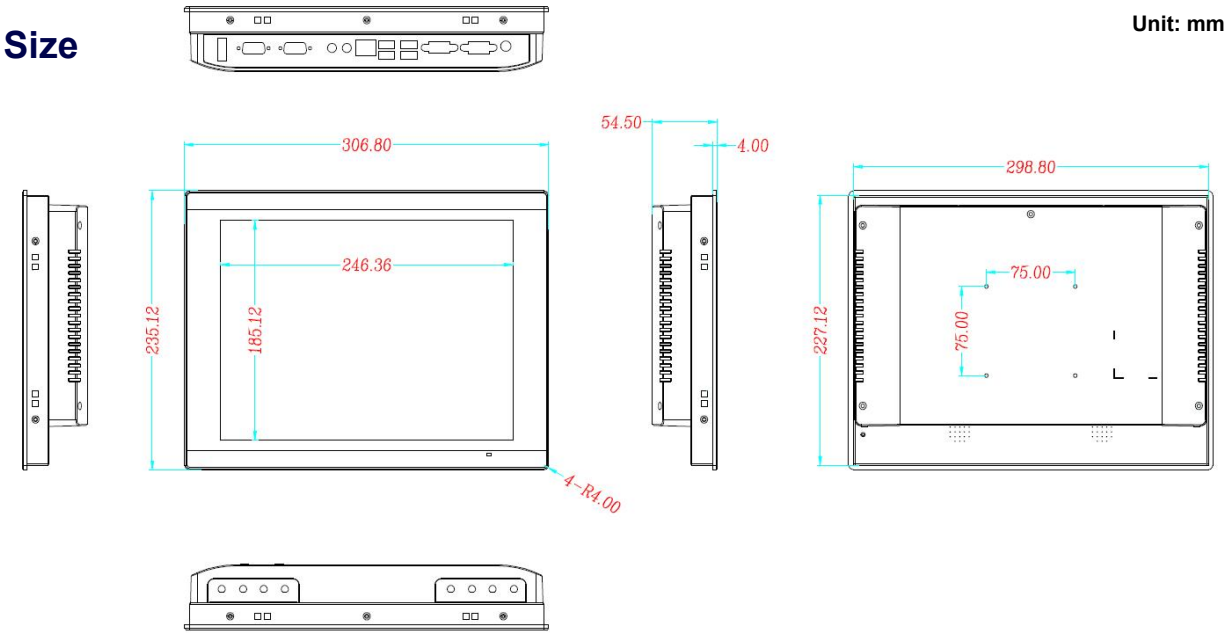
Size

Unit: mm



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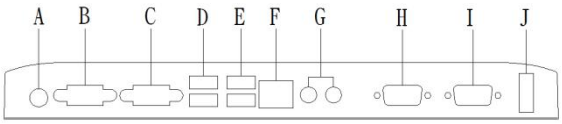
Ordering Information

Parts No	Description
PA-121TPC-CE5B (19)	Intel Celeron J1900
PA-121TPC-CE5B (64)	Intel Celeron J6412
PA-121TPC-CE5B (I3)	Intel Core i3 CPU (optional 3/4/6 generation/or higher)
PA-121TPC-CE5B (I5)	Intel Core i5 CPU (optional 3/4/6 generation/or higher)
PA-121TPC-CE5B (I7)	Intel Core i7 CPU (optional 3/4/6 generation/or higher)
PA-ARM-1	VESA standard wall mount bracket
PA-ACW-1	WIFI module with antenna
PA-ACW-2	Full Netcom 4G data communication module with antenna
*For other configurations, please contact the business specialist for consultation!	

J1900 I/O Interface



A. DC-In（12V）
B. VGA
C. COM1(RS-232)
D. 1 x USB 2.0, 1 x USB 3.0
E. 2 x USB 2.0
F. RJ45 LAN
G. AUDIO
H. COM2(RS-232)
I. COM3(RS-232)
J. POWER_SW .

*There may be differences in other configuration I/O interfaces, please contact the business specialist for confirmation !

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