

PPC-P121-K

**12.1 inch TFT Touch Screen Embedded Industrial Panel PC powered by Intel Celeron J1900/
Core i5 4200U/i5 7200U/i7 7500U, 6 x COM, 2 x LAN, 4 x USB**

**J1900/I5-4200U**

宽压: 9-36V
板载: 4G内存
GPIO:14路可选
5*232 (2*485/422可选)

**I5-7200U/I7-7500U**

宽压: 9-36V
板载: 4G内存
GPIO:14路
6*232 (2*485/422可选)

Product description:

PPC-P121-K is a touch panel computer solution designed for human-machine interface applications. It uses Intel®J1900 processor/Intel I5 4200U/I5 7200U/I7 7500U processor, onboard 4GB DDR3 memory (expandable) , LCD with a resolution of 1024x768 and a full-plane resistive touch screen. The whole machine adopts 9~36V DC power supply, which can effectively control the internal heat of the computer; provides a more diversified data storage device, and supports MSATA/SSD and SATA2.5" notebook hard disks; integrates a wealth of I/O interfaces, 6 x RS232 Or 4 x RS232/2 x 485, 2 x 10~1000M Ethernet ports and 4 x USB3.0 ports.

PPC-P121-K supports panel embedded installation and wall-mounted installation. It only needs 4 mounting clips to be tightened. Installation and maintenance are very convenient; the front panel meets the NEMA/IP65 waterproof and dustproof standard, which effectively controls the splash Water droplets and water vapor enter the host and affect the normal operation of the equipment; the equipment adopts a fanless design, limited control of dust entering the equipment, ensuring a more stable operation of the equipment, and quickly dissipating the internal heat of the system through the external surface heat sink to make it adaptable More harsh on-site environment; most suitable for application in factory automation, machinery manufacturing, numerical control equipment, textile equipment, intelligent power, food traceability and other host computer monitoring and control.

PPC-P121-K is compatible with mainstream operating systems and embedded operating systems such as Windows7, Windows10, Linux, etc. It can run application software and programs based on the above operating systems independently developed by customers, and install industrial automation configuration software to form a powerful man-machine interface.

Feature:

Using the latest technology to stamp the chassis, the shell is firm and the appearance is beautiful
12.1" true color LCD display, resolution 1024x768, backlight service life up to 50000 hours

The touch screen adopts high temperature five-wire resistive type. The number of clicks can reach 35 million

9~36V wide-voltage DC power input, meeting industrial site power supply

Support built-in 4G/WIFI and Bluetooth devices (optional)

Large-area aluminum fin active heat dissipation design ensures that the tablet can work uninterrupted in harsh industrial scenes

Specification:**PPC-P121-K**

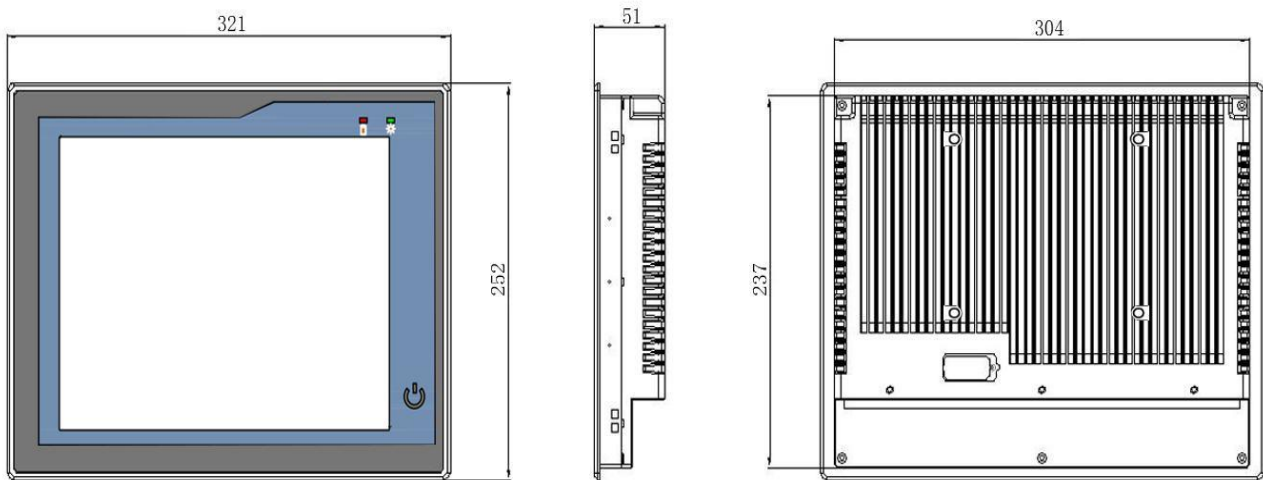
System parameters	CPU	J1900 /I5-4200U/I5-7200U/I7-7500U
	RAM	Onboard 4GB DDR3 (expandable)
	Disk	MINIMSATA
I/O interface	Network port	2 x Intel Gigabit Ethernet
	Audio	RTLALC662 audio controller, LINE-out port
	USB	4 x USB3.0
	Serial port	6 x RS232(2 can be set to RS485/RS422)
	GPIO	14 channels (custom)
LCD screen	Display	12.1" TFT LED
	Resolution	1024x768
	Brightness	350cd/m ²
	Contrast	800:1
	Maximum color	16M
Touch screen	Types of	High temperature five-wire analog resistive
	Click life	250 grams of force, 35 million times
	Response time	<5ms
	Transmittance	above 85%
	High temperature test	85°C/1000hrs
	Constant temperature and humidity test	85°C/90%RH/1000hrs
Mechanism parameters	Panel cabinet	The case adopts cast aluminum mold
	Installation method	Embedded in panel, VESA mountable with bracket
	Power input	9~36V DC power supply
	Overall dimensions	321x252x51mm
	Box size	304x237x45mm
	Hole Size	306x239mm
	Power	21W
	Weight	3KG
Environmental parameters	Operating temperature	-20~60°C (Electronic disk)
	Storage temperature	-30~80°C
	Front panel protection	IP65 standard

Ordering Information:

Product number	Configuration
PPC-P121-K/J1900	J1900/4G/2 x RJ-45/4 x USB/4 x RS232+1 x RS485+1 x (RS232/422/485)/optional 9-36V
PPC-P121-K/I5-4200U	I5-4200U/4G/2 x RJ-45/4 x USB/4 x RS232+1 x RS485+1 x (RS232/422/485)/optional 9-36V
PPC-P121-K/I5-7200U	I5-7200U/4G/2 x RJ-45/4 x USB/4 x RS232+2 x (RS232/422/485)/optional 9-36V
PPC-P121-K/I7-7500U	I7-7500U/4G/2 x RJ-45/4 x USB/4 x RS232+2 x (RS232/422/485)/optional 9-36V

Dimensions:

Dimension Drawing



Hole Size: 306*239mm

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