

PPC31501601E-T

15" Fanless Panel PC with Intel® Atom™ Quad Core J1900 Processor



Features

- 15" TFT XGA LED Panel with resistive touchscreen
- Embedded Intel ATOM processor, quad core J1900 2.0GHz onboard
- System memory up to 8GB DDR3L 1333 SDRAM
- Supports one internal SATA 2.5" HDD
- Supports one Mini PCIe socket, two Gigabit Ethernet
- Fanless and compact size with low power consumption
- Supports four RS-232, two RS-232/422/485, and four RS-232 optional
- Supports one mSATA socket



Introduction

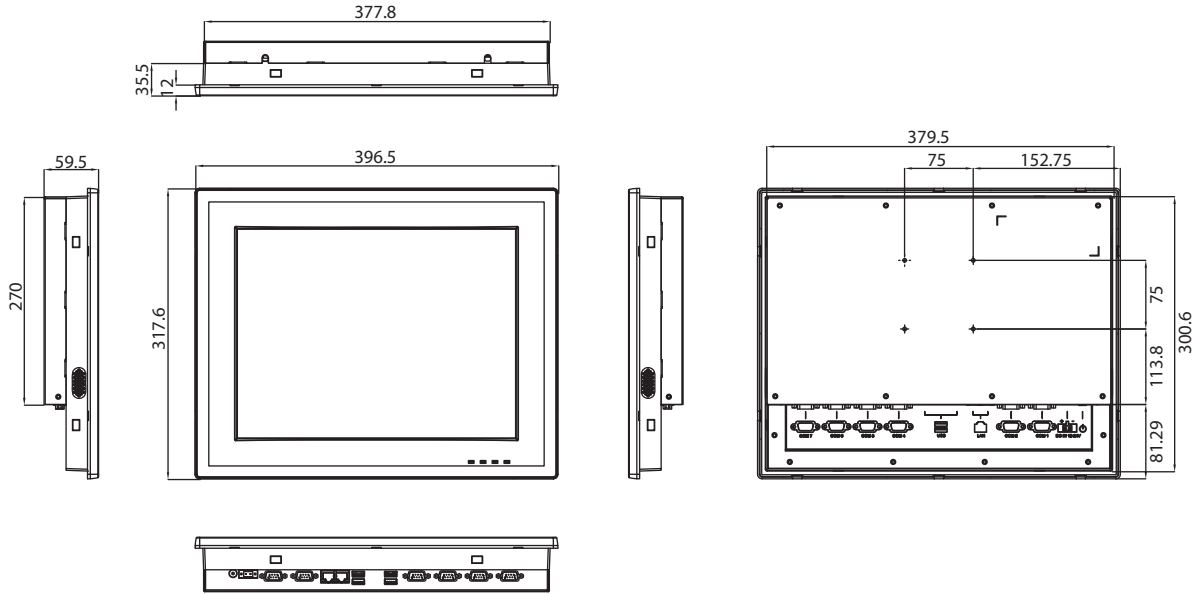
The PPC31501601E-T is a valued and reliable 15" Panel PC. With an onboard Intel Atom processor J1900, it features low power consumption and good performance. The PPC31501601E-T is highly reliable because of its 15" TFT XGA LED panel, 5-wire resistive touch screen and fanless design. It provides ten serial ports, four USB ports, and two GbE LAN to satisfy various industrial applications especially industrial equipment makers and product line monitors. With a compact and slim design, the PPC31501601E-T provides can be easily integrated in industrial systems.

Specifications

Processor System	CPU	Intel® Atom J1900, Quad core
	Frequency	2.0 GHz
	2nd Cache	2 MB
	Memory	1 x SO-DIMM, DDR3L 1333, Max 8 GB
	Storage	1 x 2.5" SATA Bay 1 x mSATA Bay
	Network (LAN)	2 x 10/100/1000 Mbps Ethernet
	I/O ports	10 x Serial ports: 4 x RS-232, 2 x RS-232/422/485 (Adjustable through BIOS) 4 x RS-232 (optional) 3 x USB 2.0, 1 x USB 3.0
	Speaker	2 x 1W speaker (optional)
	Expansion	1 x Full size Mini PCIe slot
	Watchdog Timer	255 timer levels, set up by software
Physical Characteristics	Dimensions	396 x 317 x 59 mm
	Weight	5.5 Kg
OS Support	OS Support	Microsoft® Windows 7 32bit&64bit/Windows 8.1 32bit&64bit/Windows 10 32bit&64bit/Win 10 Embedded IIOT/ WEC 7/Linux
Power Consumption	Input Voltage	12- 24 Vdc
	Power Consumption	24 W (Burn-in test 8.0 in Windows 7 32 bit)
LCD Display	Display Type	15" TFT LCD (LED backlight)
	Resolution	1024 x 768
	Viewing Angle	80 (left), 80 (right), 70 (up), 70 (down)
	Luminance (cd/m²)	250
	Contrast Ratio	700
	Backlight Lifetime	50,000 hrs (Min.)
Touchscreen	Touch Type	Analog Resistive 5 wires
	Light Transmission	81±3%
	Controller	RS232 interface
	Durability (Touches)	36 million
Environment	Operating Temperature	0 ~ 50°C (32 ~ 122°F) with SSD 0 ~ 40°C (32 ~ 104°F) with HDD
	Storage Temperature	-40 ~ 60°C (-40 ~ 140°F)
	Relative Humidity	10 ~ 95% @ 40°C (non-condensing)
	Shock	Operating 10 G peak acceleration (11 ms duration), follow IEC 60068-2-27
	Vibration	Operating Random Vibration Test 5-500Hz, 1Grms @with HDD; 2Grms @with SSD, follow IEC 60068-2-64
	EMC	CCC
	Safety	CCC
	Front Panel Protection	IP65 compliant

Dimensions

Unit: mm

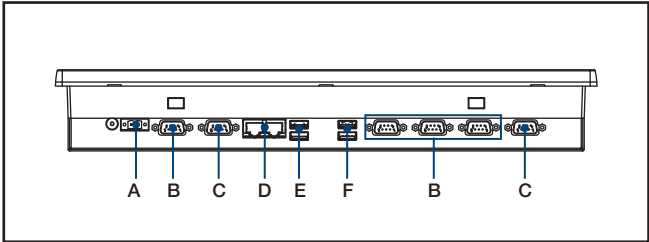


Cut-out Dimensions: 381 x 302 mm

Ordering Information

Part No.	Description
PPC31501601E-T	Intel Atom J1900 Fanless Panel PC with 15" XGA LED backlight
PS-DC19-65AE	Adapter AC100-240V 65W 19V 3.42A
PPC-WLAN-A1E	WiFi Module with Antenna Cable 40cm for PPC
1700008921	Power cord 3P/3P Power Supply 1.8M PSE
PPC-174T-WL-MTE	Wall mount kit for PPC series
PPC-STAND-A1E	Stand For PPC Series (single acting hinge)
PPC-ARM-A03	PPC ARM VESA Standard

I/O Appearance



- A. DC-In
- B. RS-232
- C. RS-232/422/485
- D. LAN x 2
- E. USB 2.0 x1; USB 3.0 x 1
- F. USB 2.0 x 2