

PPC-4211W

21.5" Fanless Wide Screen Panel PC with Intel Core i5 /i3 Processor

NEW



susiAccess

RoHS

Windows

Embedded

CE

CCC

FC

UL

US

Features

- 21.5" Full HD entirely flat panel with Projected capacitive touchscreen or flat panel with resistive touchscreen
- High performance Intel Core i CPU with Fanless design
- Supports 2 x 2.5" HDD Bay (supports Intel RAID)
- PCIe x4 / x1 or PCI expansion support
- Automatic data flow control over RS-485
- Wide Range DC 12-32 V support
- Dual Gigabit Ethernet, support IEEE1588
- 3 x Independent display

Introduction

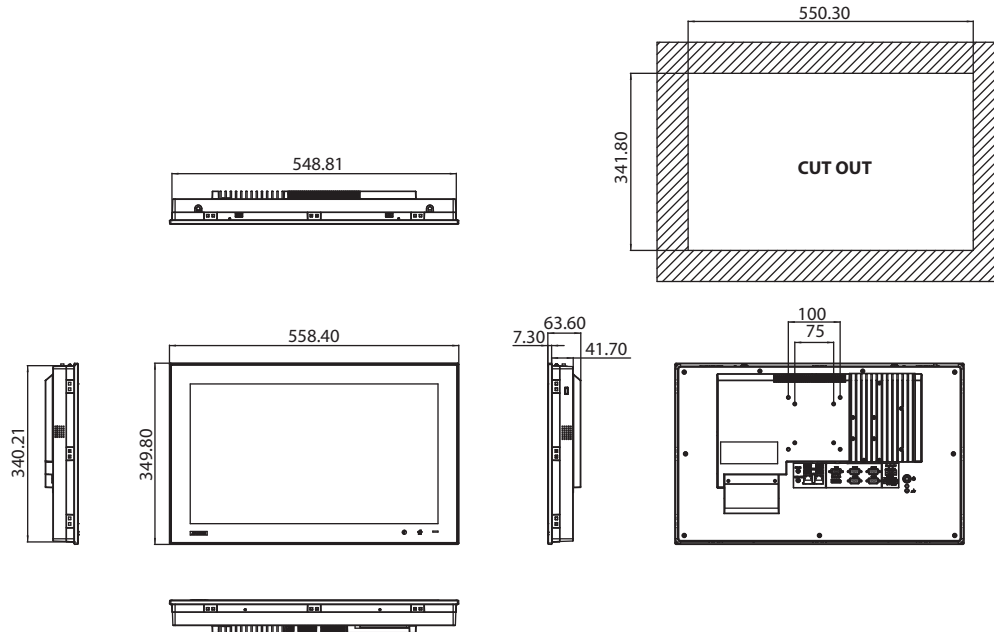
The PPC-4211W is a new generation Panel PC with Full HD (1920 x 1080) screen. The large panel help you to display more yet important information in one screen. The most important, system equips with high performance Intel Core i CPU but the heat can be dispatched easily by high efficiency fanless thermal design. This makes HMI a big step forward to consolidate performance and reliability in one system. Besides, with rich I/O as 5 x COM, 5 x USB and dual Gigabit Ethernet make it easier to connect to devices and be integrated into machine building industry. Moreover, with PCIe x4 expansion to add on field bus or proprietary card makes more application possibility. The last but not least, the multi touch screen makes the HMI more intuitive, brings you the best operate experience.

Specifications

Model		PPC-4211W-P5AE	PPC-4211W-R3AE
Processor System	CPU	Intel 4th Generation Core i CPU i5-4300U, 2C, 3M, 1.9GHz, turbo boost to 2.9GHz	Intel 4th Generation Core i CPU i3-4010U, 2C, 3M, 1.7GHz
	Memory	SO-DIMM x 1, DDR3L1333/1600, Max 8GB (1.35V)	
	2nd Cache Memory	3 MB / 2 MB	
	Storage	mSATA*1	
	HDD	2 x 2.5" SATA HDD Bay (supports Intel RAID)	
	I/O Ports	5 x Serial ports: 4 x RS-232, 1 x RS-422/485 with isolation 1K V _{oc} 4 x USB 3.0 ports in rear side, 1 x USB 2.0 in right side 1 x Line-out, 1x MIC-in 1 x DB15 VGA 1 x Display Port (1.2)	
	Bus Expansion	1 x MINI PCIe, 1 x PCIe x4 (support x1) or 1 x PCI (either one)	
	Network (LAN)	2 x 10/100/1000 Mbps Ethernet, Intel I211-AT, Intel I218LM	
	Speaker	2 x 1W	
	Watchdog Timer	255 timer levels; setup by software	
OS Support	Dimensions	557.77 x 349.17 x 63.6 mm	
	Weight	7.8 Kg	
	OS Support	Win 7/Win 8/Win 8.1/Linux	
Power Supply	Input Voltage	DC 12-32V	
	Power Consumption	i5-4300U:66W; i3-4010U:66W (8G DDR3L, USB x 4, COM x 4, USB mouse, 2.5" HDD 500G x 2, Win7 64bit, Burn-in 7.0)	
	Display Type	21.5" TFT LCD (LED Backlight)	
LCD Display	Max. Resolution	1920 x 1080	
	Colors	16.7M	
	Viewing Angle	178 Horizontal, 178 Vertical	
	Luminance(cd/m2)	300	
	Brightness Control	Yes (by BIOS)	
	Backlight Lifetime	50,000 hrs.(typ.)	
	Touch Type	Projected Capacitive multi touch 10 point	Resistive touchscreen
Touchscreen	Light Transmission	88 % ± 2 %	80% +/- 3%
	Controller	USB interface	
	Operating Temperature	0 ~ 50° C (32 ~ 122° F)	
Environment	Storage Temperature	-20 ~ 60° C (-4 ~ 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, follow IEC 60068-2-64	
	EMC	BSMI, CE, FCC Class B	
	Safety	CB, CCC, BSMI, UL	
	Front Panel Protection	IP65 compliant	

Dimensions

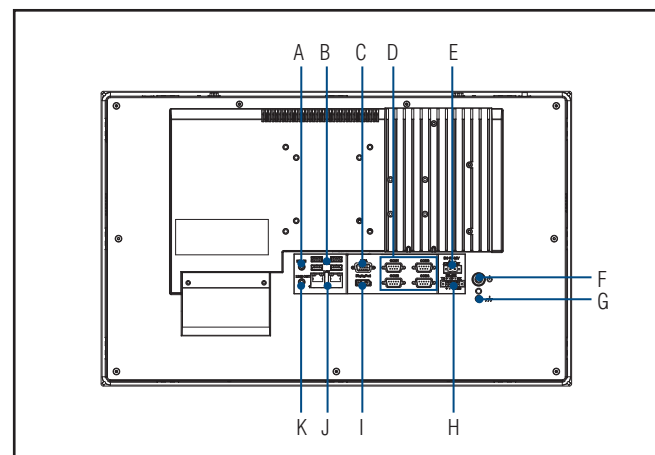
Unit: mm



Ordering Information

Part No	Description
PPC-4211W-P5AE	21.5" Wide screen PPC with PCT Multi-touch, Intel Core i5-4300U
PPC-4211W-R3AE	21.5" Wide screen PPC with resistive touch, Intel Core i3-4010U
1702002600	Power Cable UL/CSA (USA) 180D 125V10A 1.83M
1702002605	Power Cable 90D 220V EUROPEAN 250V/6A 1.8M
96PSA-A150W19P2-1	19V DC 150W Power Adapter Module For PPC Product
PPC-174T-WL-MTE	Wall mount kit for PPC series
PPC-ARM-A03	PPC ARM VESA Standard
PPC-WLAN-A1E	Wi-Fi Module
PPC-STAND-A1E	Stand for PPC Series (single acting hinge)
2070012905	Image WES7P 32-bit Multi V4.12 PPC-4151W/4211W-P
2070013051	Image WES7P 64-bit Multi V4.12 PPC-4151W/4211W-P
98R3415010E	Front USB Module
98R3415000E	15.6" Rack Mounting Kit

I/O Appearance



A. Mic-in
B. 4 x USB 3.0
C. VGA Port
D. 4 x RS-232
E. DC Inlet
F. Power Button

G. Ground Line
H. 1 x RS-422/485
I. Display Port
J. 2 x 10/100/1000 Mbps Ethernet
K. Line Out



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