

# PPC-176

17" Fanless Multi-touch Panel PC with Intel® Core™ i5-4300U Processor



## Features

- 17" TFT SXGA LED Panel with Projected Capacitive Touch Display
- Embedded Intel® Core™ i5-4300U 1.9 GHz Processor
- System Memory up to 8 GB DDR3L 1333 SDRAM
- Two-finger Touch Control while Wearing Gloves
- Internal SATA 2.5" HDD and mSATA Socket
- Panel and VESA Mounting

## Applications

- Human Machine Interface (HMI)
- Factory / Manufacturing Automation
- ATM / Self-service / Kiosk Applications
- Vending Machine / Ticketing Machine

## → Packing List

Description
1 x PPC-172
1 x Power Adapter (AC-to-DC, 12 V @ 5 A, 60 W)
6 x Panel Mounting Screws

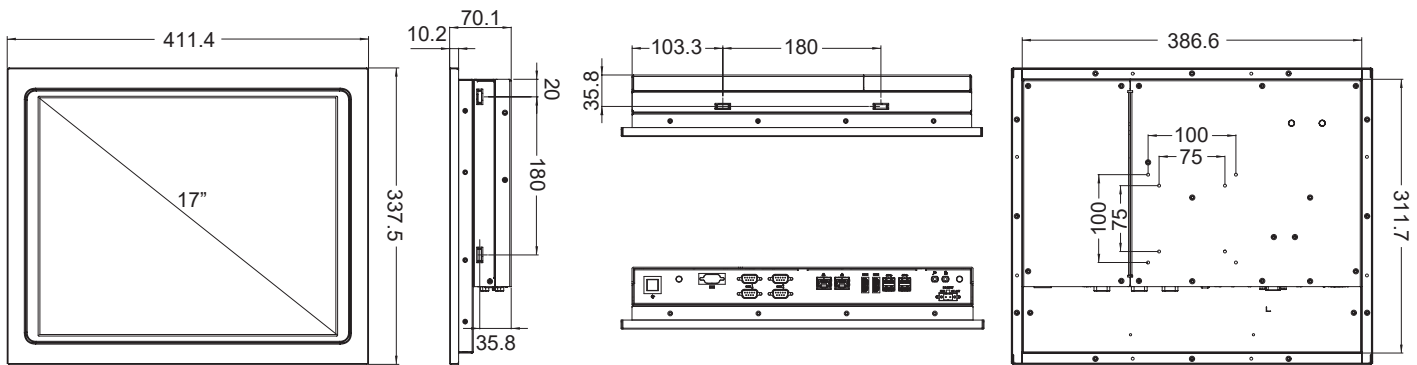
## → Optional Items

Part No.	Description
ACS-PS-US	Power Cable 3-pin, 180 cm, USA Type
ACS-PS-EU	Power Cable 3-pin, 180 cm, Euro Type
ACS-PS-CN	Power Cable 3-pin, 180 cm, China Type
ACS-100-STD	VESA Table Stand

## → Ordering Information

Part No.	Description
PPC-176P-A1	17" Fanless Multi-touch Panel PC with Intel® Core™ i5-4300U 1.9 GHz Processor
PPC-176R-A1	17" Fanless Resistive Touch Panel PC with Intel® Core™ i5-4300U 1.9 GHz Processor

## → Dimensions



Cut out: 388.6 \* 313.7mm

## → Specifications

Model		PPC-176P	PPC-176R
Processor System	CPU	Intel® Core™ i5-4300U Processor	
	Frequency	Dual-Core up to 1.9 GHz	
	L2 Cache	Intel® Smart Cache 3 MB	
	System Chipset	N/A	
	BIOS	UEFI	
Memory	Technology	DDR3L 1333 MHz SDRAM	
	Max. Capacity	8 GB	
	Socket	1 (204-pin SO-DIMM)	
Display	Panel Size	17" LED Panel	
	Resolution	1280 x 1024 (SXGA)	
	Viewing Angle	80 x 80 (H) x 60 x 80 (V)	
	Brightness	350 (cd/m <sup>2</sup> )	
	Color Support	16.2M	
	Contrast Ratio	800:1	
	Response Time	30 (msec)	
	HDMI	2 HDMI 1.4a up to 1080 x 1920	
Touchscreen	Three Display	LCD Panel + 2 HDMI (output)	
	Touchscreen Type	Projected Capacitive	5-Wire Resistive
	Surface Hardness	7 Mohs	3 Mohs
	Durability	-	36 millions times
I/O Interface	Transparency	90% (±3%)	80% (±3%)
	USB	4 USB 3.0	
	Serial Port	4 COM (Default: 2 RS-232/422/485, 2 RS-232)	
	Digital I/O (Optional)	8-pin Digital I/O (DB-9 connector)	
Expansion	1 Mini PCIe (half-size)		1 Mini PCIe (full-size) shared with mSATA(set by BIOS)
	1 Mini PCIe (full-size) shared with mSATA(set by BIOS)		
Ethernet	Controller	GbE 1: 10/100/1000 Mbps (Realtek RTL8111G-CG) GbE 2: 10/100/1000 Mbps, I218LM	
Audio	Chipset	Realtek ALC662 High Definition Audio (HD)	
	Connector	Line out, Mic in	
Storage	mSATA	1 mSATA (shared with full-size mini PCIe)	
	SATA II	1 Internal 2.5" HDD/SSD	
Power	Power Supply Voltage	Supports 9-36 V DC input (Phoenix Connector)	
	Power Adaptor	AC-to-DC, 12 V @ 5 A, 60 W	
	Power Consumption (Typical)	2.6 A @ 12 V (31.2 W)	
	Power Consumption (Max.)	4.2 A @ 12 V (50.4 W)	
Environment	Operating Temperature	0~50° C (32~122° F) (Humidity: 80% RHNon-condensing)	
	Storage Temperature	-40~85° C (-40~185° F) (Humidity: 80% RHNon-condensing)	
	Vibration	5-500 Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis	
	Certification	CE, FCC Class A	
General	Front Panel Waterproof	IP54	
	Dimensions (L x W x H)	411.4 x 337.5 x 70.1 mm (16.2" x 13.29" x 2.76")	
	Weight	6.58 kg (14.48 lb)	6.50 kg (14.50 lb)
	Operating System	Windows 7/8.1/10, WES7-E/P, WE8S, Ubuntu 14.04	