Arestech
Embedded & Automation Solutions



PPC-156

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

Arestech's PPC-156 is a new 15" multi-touch Panel PC equipped with an Intel® Core™ i5-4300U processor. The new Haswell CPU offers high performance while having low power consumption. The fanless design increases reliability, and the Mohs 7 surface hardness guarantees superior durability. The PPC-156 also supports two-finger touch control while wearing gloves. With dual GbE LAN, 4 serial ports, 4 USB 3.0 ports and 9-36V DC input, the PPC-156 makes connecting multiple devices easy when integrating solutions.

Features

- 15" TFT SXGA LED panel with projected capacitive touch display
- Supports two-finger touch control while wearing gloves
- Embedded Intel® Core™ i5-4300U 1.9 GHz Processor
- System memory up to 8 GB DDR3L 1333 SDRAM
- Internal SATA 2.5" HDD and mSATA socket
- 2 GbE, HD Audio, 4 USB, 4 COM, Mini PCIe, 2 HDMI
- Panel and VESA mounting

Applications

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

PPC-156

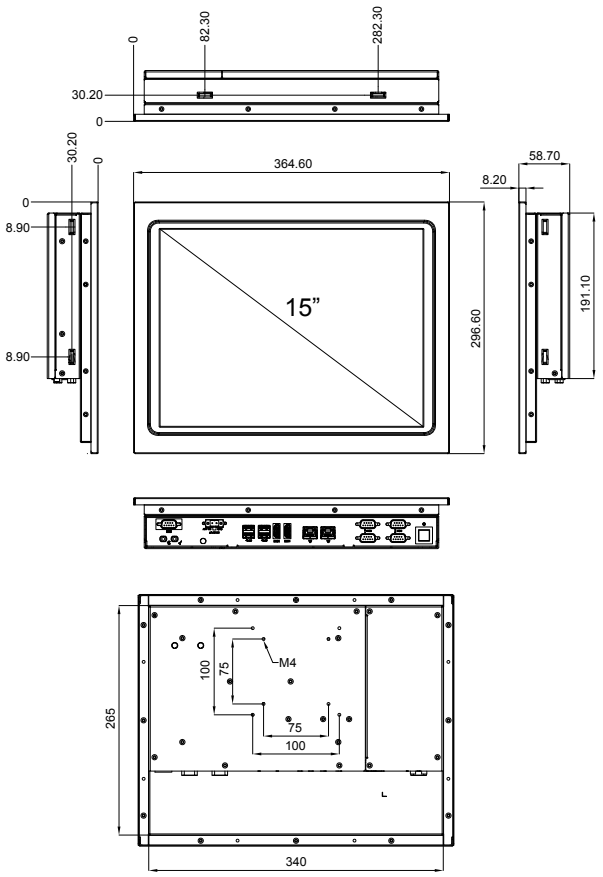
15" Fanless Multi-touch Panel PC with Intel® Core™ i5-4300U Processor



Specifications

Model		PPC-156P	PPC-156R
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	15" LCD Panel	
	Resolution	1024 x 768 (XGA)	
	Viewing Angle	80 x 80 (H) x 80 x 80 (V)	
	Brightness	250 (cd/m2)	
	Color Support	16.7M	
	Contrast Ratio	600:1	
	Response Time	8 (msec)	
	HDMI	2 HDMI 1.4a up to 1080 x 1920	
	Three Display	LCD Panel + 2 HDMI	
Touchscreen	Touchscreen Type	Projected Capacitive	5-Wire Resistive
	Surface Hardness	7	3
	Durability	-	36 millions times
	Transparency	90% (±3%)	80%(±3%)
I/O Interface	USB	4 USB 3.0	
	Serial Port	4 COM (Default: 2 RS-232/422/485, 2 RS-232)	
	Digital I/O	8-pin Digital I/O (DB-9 connector)	
	Expansion	2 Mini PCIe (1 full-size Mini PCIe or mSATA, selected by jumper setting; 1 half-size Mini PCIe)	
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)	1.65 A @ 12 V (19.8 W)	
	Power Consumption (Max)	3.06 A @12 V (36.7 W)	
	Battery	Lithium 3 V / 210 mAH	
Environment	Operating Temperature	0~50° C (32~122° F) (Humidity: 50° C @ 80% RHNon- condensing)	
	Storage Temperature	-40~85° C (-40~185° F) (Humidity: 85° C @ 80% RHNon- condensing)	
	Humidity	5~95% @ 40° C, non-condensing	
	Vibration	5-500 Hz, 0.026 G²/Hz, 2.16 Grms, X, Y, Z, 1 hour per axis	
	Certification	CE, FCC Class A	
General	Dimensions (L x W x H)	364.6 x 290.6 x 58.9 mm (14.35" x 11.44" x 2.32")	
	Weight	4.61 kg (10.14 lb)	4.55 kg (10.01 lb)
	Operating System	Windows 7/8, WS7E/P, WES8	

Dimensions



Packing List

Description
1 x PPC-156
1 x Driver CD
1 x Power Adaptor (AC-to-DC, 12 V @ 5 A, 60 W)
6 x Panel Mounting Screws

Ordering Information

Part No.	Description
PPC-156P-A1	15" Fanless Projected Capacitive Touch Panel PC with Intel® Core™ i5-4300U 1.9 GHz Processor
PPC-156R-A1	15" Fanless 5-wire Resistive Touch Panel PC with Intel® Core™ i5-4300U 1.9 GHz Processor

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

Arestech
Embedded & Automation Solutions

Tel: 886-2-2790-1930 | Fax: 886-2-2790-1936
www.arestech.com.tw