PPC-S172

17" Fanless Multi-touch Waterproof Panel PC with Intel® Celeron® J1900 Processor and 2 PCI Slots

Arestech's PPC-S172 is an industrial grade 17" LED multi-touch waterproof Panel PC with two PCI expansion slots. The stainless steel front panel protects the PPC-S172 from weathering and oxidation. The exceptionally strong bond between the touch-panel and front panel gives the PPC-S172 an IP65 waterproof rating. The slim 3.5 mm front cover makes wall mounting easy. Designed with an Intel® Celeron® Bay Trail D J1900 2.0 GHz processor, the PPC-S172 delivers exceptional performance at low power. The two PCI slots enable integration of PCI cards resulting in a configurable application platform. Additionally, the PPC-S172's four COM ports and one DIO port can make factory automation control easier. The PPC-S172 is the best choice for use in CNC control panels, the food industry, and outdoor kiosk applications.

Features

- 17" SXGA LED Panel with Projected Capacitive Touch Display
- Supports Two-finger Touch Control while Wearing Gloves
- Intel® Celeron® J1900 2.0 GHz Processor
- 2 PCI Expansion Slot
- Completely Flat Front Design
- Stainless Steel IP65 Waterproof Front Cover
- Panel and VESA Mounting

Applications

- CNC Control Panel
- Food Industry Management System
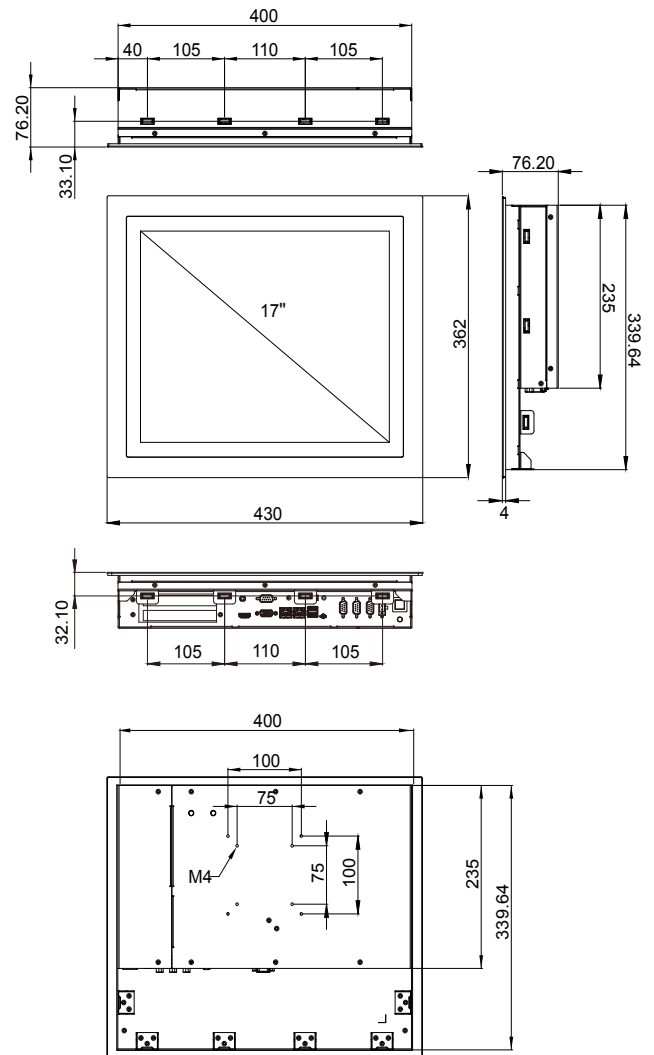- Animal Feed Production Facility
- Outdoor Kiosk

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Specifications

Model		PPC-S172P	PPC-S172R
Processor System	CPU	Intel® Celeron® Processor J1900	
	Frequency	Quad-Core up to 2.0 GHz	
	L2 Cache	2 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/m2)	
	Color Support	16.7M	
	Contrast Ratio	800:1	
	Response Time	30 (msec)	
	VGA	Up to 1920 x 1200	
	HDMI	HDMI 1.4a up to 1920 x 1200	
	Dual Display	LCD + VGA or LCD + HDMI	
Touchscreen	Touchscreen Type	Projected Capacitive	5-Wire Resistive
	Surface Hardness	7	3
	Durability	-	10 millions times
	Transparency	90% (±3%)	80%(±3%)
I/O Interface	USB	2 USB 2.0, 2 USB 3.0	
	Serial Port	4 COM (3 RS-232, 1 RS-232/422/485)	
	Digital I/O (Optional)	8-pin Digital I/O (DB-9 connector)	
	Expansion	1 Mini PCIe (half-size), 2 PCI	
Ethernet	Controller	Dual GbE, 10/100/1000 Mbps (Realtek RTL8111G-CG)	
Audio	Chipset	Realtek ALC662 High Definition Audio (HD)	
	Connector	Line out	
Storage	SATA II	1 Internal 2.5" HDD/SSD	
Power	Power Supply Voltage	9~36 V DC input (Phoenix Connector)	
	Power Adaptor	AC-to-DC, 12 V @ 5 A, 60 W	
	Power Consumption (Typical)	2.38 A @ 12 V (28.56 W), not including PCI expansion card	
	Power Consumption (Max.)	3.63 A @ 12 V (43.64 W), not including PCI expansion card	
	Battery	Lithium 3 V / 210 mAH	
Environment	Operating Temperature	0~50° C (32~122° F) w/ 2.5" SSD	
	Storage Temperature	-40~85° C (-40~185° F)	
	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	Front Panel Waterproof	IP65, stainless steel front cover	
	Dimensions (L x W x H)	430 x 362 x 76.2 mm (12.58" x 9.98" x 2.52")	
	Weight	7 kg (15.4 lb)	
	Operating System	Windows 7/8, WS7E/P, WES8	

Dimensions

Packing List

Description
1 x PPC-S172
1 x Driver CD
1 x Power Adaptor (AC-to-DC, 12 V @ 5 A, 60 W)
14 x Panel Mounting Screws

Ordering Information

Part No.	Description
PPC-S172P-A1	17" Fanless Multi-touch Panel PC with 2 PCI Expansion ,IP65 Protection, and Intel® Celeron® J1900 2.0 GHz Processor
PPC-S172R-A1	17" Fanless 5-wire Resistive Touch Panel PC with 2 PCI Expansion ,IP65 Protection, and Intel® Celeron® J1900 2.0 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

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