

PPC-L158T

15" Fanless Panel PC with Intel Atom Dual-Core Processor



Features

- 15" TFT XGA LCD with optional resistive touchscreen
- Embedded Intel® Atom™ processor, dual-core D525 1.8G
- System memory up to 2 x DDR3 800 MHz SODIMMs
- Supports one internal SATA 2.5" HDD
- Supports One Mini PCIe socket, Dual Gigabit Ethernet
- Either PCI/PCIe x 1 expansion kit
- Fanless and ultra-low power consumption
- One RS-232/422/485; (supporting Auto-flow control, BIOS-selectable)
- One RS-232/ GPIO (8 channels, TTL level); (by swapping pin header)

Introduction

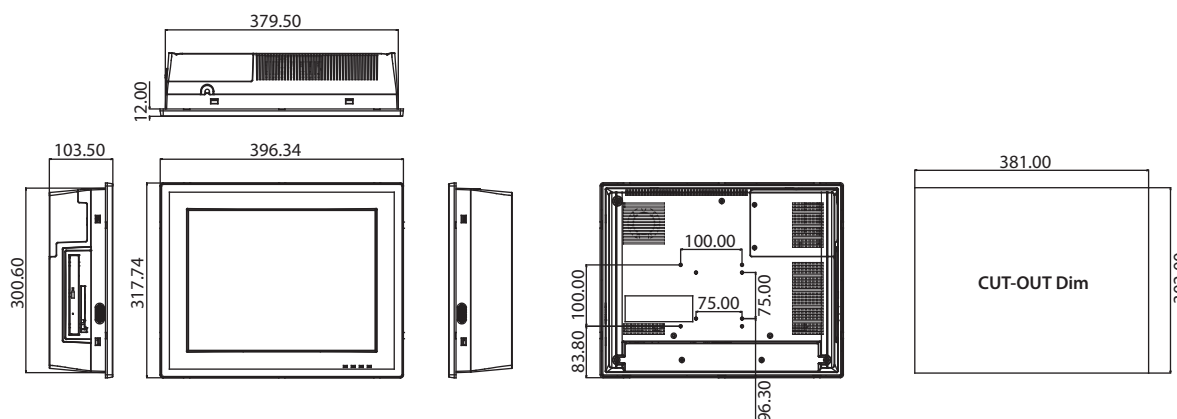
The PPC-L158T is a 15" Fanless panel PC that delivers high performance while consuming low power. The PPC-L158T operates with low noise and provides display resolutions up to 1024 x 768 (XGA) pixels. The PPC-L158T is equipped with dual Gigabit Ethernet connectors, 8-channel GPIO function and either one PCI or one PCIe expansion slot. Advantech's customization services and optional accessories including wireless modules and SATA optical devices, allow system integrators to design tailor-made solutions for a host of industrial applications.

Specifications

Processor System	CPU	Intel Atom processor, dual-core D525 1.8G		
	Chipset	D525 + ICH8M		
	Secondary Cache	1MB L2 cache		
	Memory	2 x DDR3 800 MHz SODIMMs (up to 2GB each socket), compatible with 1066/1333 MHz (not support ECC and REG)		
	DVD-RW Drive	Optional (989K017702E)		
	SSD	Support one CFast™ Type I, II socket		
	HDD	One internal SATA interface- 2.5" Type		
	Network (LAN)	2 x 10/100/1000 Mbps (RJ-45)		
	Fully Integrated I/O and Speakers	4 x COM ports: 2 x RS-232, 1 x RS-232/422/485, 1 x RS232/ GPIO (8 channels, TTL level)*		
		4 x USB 2.0 ports		
		Mic in/ Line out, 1W speaker - 2 x Gigabit Ethernet ports		
		1 x D-SUB VGA port		
Bus Expansion	1 x PS/2 mouse and 1 x keyboard interface			
	2 x IEEE 1394 ports (optional)			
Front Panel Protection	* RS-232/422/485 - selected in BIOS and supporting RS-232/GPIO by swapping pinheader, Auto-flow control			
Weight	1 x expansion slot for PCI/PCIe card			
Dimensions (W x H x D)	1 x MINI PCIe slot			
OS Support	IP65 compliant			
	6 kg (13.2 lb)			
Power Supply	DC	Input Voltage	15 ~ 24 V _{DC}	
	AC	Output Rating	85 W (max.)	
LCD Display	Input Voltage			
	100 ~ 240 V _{AC} , 50 ~ 60 Hz, 1 ~ 2 A			
	Display Type	15" Color TFT LCD		
	Max. Resolution	1024 x 768		
	Colors	262 K		
	Pixel Pitch (mm)	0.297 x 0.297		
	Viewing Angle	160°/140°		
	Luminance (cd/m ²)	350		
Touchscreen (optional)	Brightness Control	Yes		
	Backlight Lifetime	50,000 hours		
	Type	Analog Resistive 5-wire (AMT) Anti-Corrective type		
	Resolution	Continuous		
	Light Transmission	80 %		
	Controller	RS-232 interface		
Environmental Specifications	Durability (Touches)	35 million		
	Operating Temperature	0-50° C (32-122° F)		
	Relative Humidity	10 ~ 95 % @ 40° C, non-condensing		
	Shock	10 G peak acceleration (11 ms duration)		
	Vibration	1 G		
	EMC	CE, FCC Class B, BSMI		
	Safety	CE CB, UL, BSMI, CCC, VCCI		

Dimensions

Unit: mm

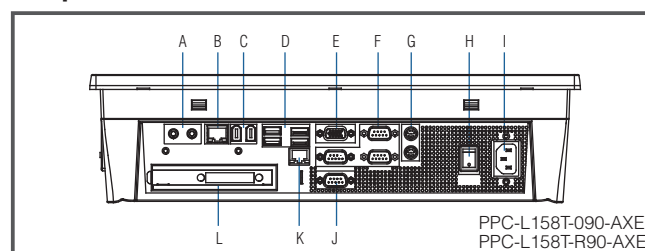


Ordering Information

Part NO	Description
PPC-L158T-090-AXE	Intel Atom processor, Dual Core processor D525 1.8G fanless panel PC with 15" TFT LCD (with 85W PSU inside)
PPC-L158T-R90-AXE	PPC-L158T-090-XE with resistive touchscreen (with 85W PSU inside)
PPC-L158T-090-DXE	Intel Atom Dual Core processor D525 1.8G fanless panel PC with 15" TFT LCD (DC Input Model)
PPC-L158T-R90-DXE	PPC-L158T-090-XE with resistive touchscreen (DC Input Model)
PPC-ARM-A03	VESA Stand ARM for PPC series
PPC-174T WL-MT	Wall mount kit for PPC-174T
PPC-155T STAND	Stand kit for PPC-L158T/157/177/ series
PS-DC19-L157E	19V DC power adapter module for PPC-L128/PPC-L157
1700001524	Power cord 3P UL 10A 125V 1.8M (for adapter)
989K017700E	Optical disc drive kit for PPC-L158T/157/177 (W/O ODD)
989K017702E	DVD-RW (SATA) module for PPC-157/177

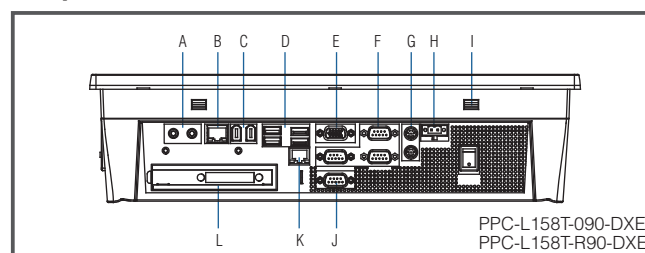
I/O Outlook

AC Input Model



- A: Line out/Mic in
- B: 10/100/1000 Mbps Ethernet x 1
- C: IEEE 1394 x 2 (optional)
- D: USB 2.0 x 4
- E: VGA Port
- F: RS-232 x 2, RS-232/422/485 x 1
- G: PS2 Mouse x 1 / Keyboard x 1
- H: AC Inlet
- I: Power Switch
- J: RS-232 x 1 (or GPIO x 1 by cable swapping)
- K: 10/100/1000 Mbps Ethernet x 1
- L: PCI Slot x 1 (or PCIe Slot x 1)

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