

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

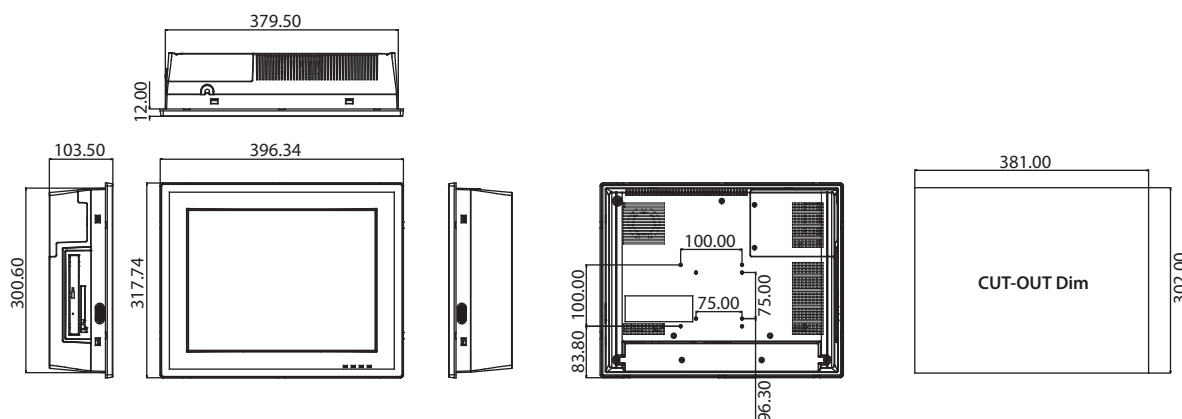
The PPC-L158T is a 15" Fanless panel PC that delivers high performance while consuming low power. The PPC-L158T operates with low noise and provides display resolutions up to 1024 x 768 (XGA) pixels. The PPC-L158T is equipped with dual Gigabit Ethernet connectors, 8-channel GPIO function and either one 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)
	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)	
		* RS-232/422/485 - selected in BIOS and supporting RS-232/GPIO by swapping pinheader, Auto-flow control	
Front Panel Protection		1 x expansion slot for PCI/PCIe card	
Weight		1 x Mini PCIe slot	
Dimensions (W x H x D)		IP65 compliant	
		6 kg (13.2 lb)	
		396.5 x 317.6 x 103.5 mm (15.6" x 12.5 x 4.08")	
OS Support			Microsoft Windows XP/XP Pro, Vista
Power Supply	DC	Input Voltage	15 ~ 24 V _{DC}
	AC	Output Rating	85 W (max.)
		Input Voltage	100 ~ 240 V _{AC} , 50 ~ 60 Hz, 1 ~ 2 A
LCD Display	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/m²)		350
	Brightness Control		Yes
	Backlight Lifetime		50,000 hours
Touchscreen (optional)	Type		Analog Resistive 5-wire (AMT) Anti-Corrective type
	Resolution		Continuous
	Light Transmission		80 %
	Controller		RS-232 interface
	Durability (Touches)		35 million
Environmental Specifications	Operating Temperature		0-50° C (32-122° F)
	Relative Humidity		10 - 95 % @ 40° C, non-condensing
	Shock		10 G peak acceleration (11ms duration)
	Vibration		1 G
	EMC		CE, FCC Class B, BSMI
	Safety		CE CB, UL, BSMI, CCC , VCCI

Dimensions

Unit: mm

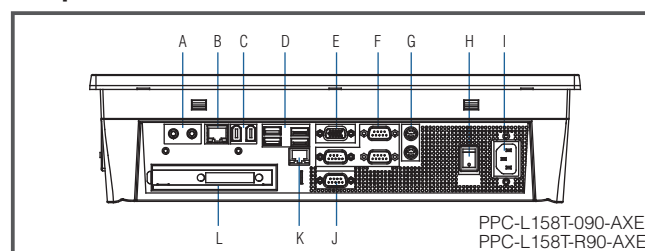


Ordering Information

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
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



DC Input Model

