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- Multi-functional Panel PC
- Fanless Panel PC
- Panel PC Accessories

Advantech Panel PC Platform

Speed up Your Quote-to-Cash Cycle



Advantech Panel PC Platform



ADVANTECH

Enabling an Intelligent Planet

www.advantech.com

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About Advantech

Founded in 1983, Advantech is a global leading ePlatform services provider of web-based technology, computing platforms and customization services, empowering innovations in the connected eWorld. Advantech cooperates closely with solution partners to help provide complete solutions for a wide array of applications in diverse industries.

Advantech delivers more than a thousand products and solutions in three business categories: Embedded ePlatform Organization, eService & Applied Computing, and Industrial Automation. With nearly 5,000 talented people, Advantech operates an extensive support, sales and marketing network in 18 countries and 39 major cities to deliver fast time-to-market services to our worldwide customers.



Advantech Global Services

Advantech has over 15 regional toll-free hotlines and offices throughout 39 cities in 18 countries, with nearly 5,000 employees to provide efficient, professional services for customer care, product selection, technical support, and order handling. Through our call centers and online stores, customers worldwide can now enjoy the convenience of Advantech's multi-service channels to reduce business turnaround time. Together with four customer service centers in Taiwan, China, the Netherlands, and the United States, our global service network offers an extensive spectrum of services that includes warehousing, logistics, peripheral certification, sourcing & purchasing, and RMA & support services.



Panel PC Introduction

Advantech Panel PCs open new opportunities by integrating computers with industries and applications; they bring computing to places and applications never imagined before. Their slim profiles, comprehensive functionality, high brightness LCDs, and user-friendly touchscreens make them the ideal solution for operator panels, information terminals, ecommerce terminals and human-machine interfaces. Producing high-quality industrial products is Advantech's specialty. Our Panel PCs are built to survive unforgiving environments, such as factory automation facilities, production control points, warehouses and distribution centers, transportation control centers, stations, airports and even refrigerated environments. As an ISO-9001 and ISO-14000 certified organization, Advantech abides by strict quality control standards applied to design, production and shipment. Panel PCs are subject to extensive testing prior to product release including EMI, EMC, temperature and vibration testing, and exposure to dust and liquids.



Multi-functional Panel PC

- Equipped with high performance processor
- Supports Resistive/Capacitive/SAW and infrared touchscreens
- Highly expandable
- Ultra-slim chassis options

Fanless Panel PC

- Noise free design
- Ultra-low power consumption
- High reliability and stability



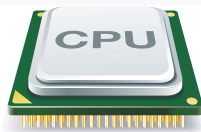
Installation Accessories

- Multiple standard mounting options
 - Desktop stand
 - Swing arm
 - Wall mount
 - Panel mount
- Customized installation options

Key Benefits for Your Systems

Panel PCs offer customers unique features for specific application needs.

Customers can choose CPU, operating system, LCD, touchscreen and sunlight readable features. All the best standard and customized solutions are available for their applications.

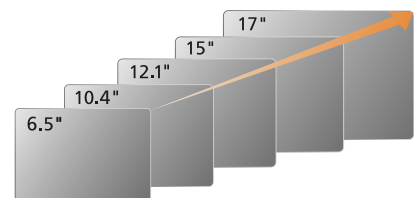


Processors - Various CPUs supported

Advantech uses CPUs that have long-term support and adhere to a secure and stable roadmap. We pass the benefits of our global procurement capacity on to customers. The result is a convenient one-stop shopping experience. Advantech computers support AMD Geode™ series, Intel® Atom™ series, Intel® Pentium® 4, Intel® Core™2 Duo processors.

Displays - A Full Range of Industrial-grade TFT LCDs

Advantech panel PCs support 6.5" to 17" TFT LCD panels. These industrial TFT LCDs offer high contrast, wide viewing angles, long lamp life (more than 50,000 hours), long MTBF and a minimum 3-year product life cycle. Advantech provides reliable information interfaces for versatile applications.



Outdoor display without Sunlight Readable Solution



Outdoor display with Sunlight Readable Solution

Sunlight Readable Solutions

Advantech panel PCs are supplied with high quality sunlight readable LCDs that are easy to use in direct sunlight. With low reflection and high contrast ratios, sunlight readable panel computers are suitable for outdoor display solutions in kiosks, the food industry, ticket machines, interactive pay phones and gaming machines.



Networking and Expansion Capabilities

Fully integrated I/O ports allow system integrators to add peripherals of their choice.



Multiple Mounting Options for Installation

Every Advantech Panel PC comes with mounting brackets and screws to install the unit on a wall or integrate it into production or control facilities. Advanced options are also available to satisfy the customer's mounting configuration. The swing arm is ideal for applications needing a system that can be shifted one place to another.



Cost Effective

Advantech Panel PCs combine high quality with fair prices. Customers can experience ultimate cost saving and working efficiency with Panel PCs.



Customization: Fast Time-to-Market Services

Advantech Panel PCs serve as components designed for integration into main systems and devices. However, customer application requirements sometimes require different specifications beyond the original product design. We quickly process customization requests so that our customers' products can reach the market fast. With our experience, we can complete a design sample for you to test within two months of project initiation.



Chassis Color, Material Design and Mounting Options

- Customized product ID, including front bezel design
- Customized chassis colors, labels and logos
- Flexible mounting services and feature placement options

Fast Embedded OS Customization

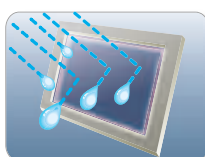
- Advantech is a Microsoft Windows Embedded Authorized Distributor. This enables Advantech to provide one-stop shopping of licenses for Windows CE, XP Embedded, and Windows Embedded Standard 7 operating systems.
- BIOS modification / Registry configuration
- Factory installation services



Gold-level Member



IP65 Compliant



Spill & Dust
Resistant

Customization for Tough Environments

- Metal enclosure design
- Spill and dust resistance
- IP65 environmental rating

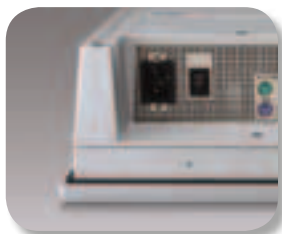


ADVANTECH CTOS

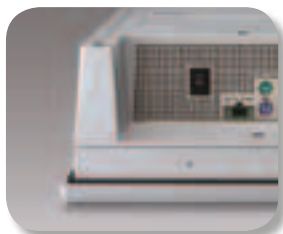
Configure To Order Services

Customization for Special Certifications

- Help with customer submission of EMS/EMI & safety certifications; and product & document support
- FCC, UL, CE, CCC, MIC, BSMI, VCCI certifications, and more.



**AC power
supplies**



**DC power
supplies**

Power Source Customization

- AC and DC power supplies



Monitoring & Process Control

Machine automation is a system that tracks and adjusts resource usage as needed. Automated monitoring and process control in production cycles improves efficiency and productivity. Predictive process control involves the ability to monitor and control a continuous material process in real time. This allows the conditions of the process to be quickly and responsively adjusted, and avoids the delays associated with monitoring the final product. A hierarchy of LANs has also emerged, ranging from general to the more specialized, and from Ethernet to FDDI systems, each with its own specific usage. The data handled is more than just a control data, it also includes a variety of operational and processing data, seeking to establish comprehensive systems that embrace both data systems and control systems. It will be necessary to interconnect a variety of support systems (engineering support, operational support, diagnostic support, maintenance support, software development support, etc.) so as to form a data and control system capable of optimizing manufacturing throughout the plant. Client-server configurations are now being used for the functions.

Why Panel PC's?

Panel PC's compact design and multi I/O have expanded possibilities for control of devices by offering a central control platform. Panel PCs are used in monitoring system conditions and administration. Process monitoring, process control, automation, real-time operator interface and display, on-line analysis and networking are all parts of their functionality.

1. User-friendly interface

The user-friendly touchscreen has an improved interface, and enables the operator to remotely control each device.

2. High reliability and maintainability

Industrial grade Panel PC's provide high levels of reliability, ease of continuous operation and maintenance.

3. Flexible system configuration

Panel PC,s for monitoring & process control can interconnect with business computer systems, plant controllers, design systems, and a variety of other systems. The full set of network functions and multi-I/O can be flexibly configured.



Computerized Operating Systems

Panel PCs can be used in any system that needs an operating interface for information input, display monitoring or preview, data storage and and retrieval; as well as network connectivity to a LAN or WAN via wired or wireless connection. Panel PC interfaces act as operating centers for systems. Multifunction products such as all-in-one printer/fax/copier/scanners are getting more complicated and versatile, requiring a PC-like appliance to control the system more efficiently; this is a key role for a Panel PC. Operators can input commands and preview content through a Panel PC. Revisions can be made before formal printing and copies can be permanently stored on servers through an Ethernet connection.

Why Panel PC's?

1. Flexible installation

Panel PC's offer various installation options (wall-mount, panel-mount, rail-mount, swing-arm, stand, etc.) to meet any customer requirement.

2. Intuitive operation with touchscreen

Compared with keyboards & mice, touchscreens are a more convenient operating interface. With different environments or requirements, Panel PC's offer different technologies like: Resistive, Capacitive or SAW (Surface Acoustic Wave) touchscreens.

3. Various I/O and expansion ports

Panel PC's provide various I/O ports like USB, parallel port, COM port and PCI/ISA slot. Customers can easily integrate Panel PC's with other devices.

Fanless Panel PCs Selection Guide



Model Name		Fanless Panel Computer	
CPU Board		PPC-L61T	PPC-L106T
Processor		PCM-9697 AMD Geode LX 800 (500 MHz)	PCM-9679 AMD Geode LX 800 (500 MHz)
Memory	Size	128 MB ~ 1 GB DDR SDRAM	128 MB ~ 1 GB DDR SDRAM (Standard: 256 MB built-in)
	Module Type	200-pin SODIMM x 1	200-pin SODIMM x 1
2nd Cache Memory		128 KB	128 KB
SSD/Type		Supports 1 internal CompactFlash Type I/II socket	Supports 1 internal CompactFlash Type I/II socket
Display	Size/Type	6.5" TFT LCD	10.4" TFT LCD
	Max. Resolution	640 x 480	800 x 600
	Max. Colors	262 K	262 K
	Pixel Pitch (mm)	0.207 x 0.207	0.264 x 0.264
	Brightness (cd/m ²)	700	230
	Viewing Angle	160°/140°	140°/120°
	Brightness Control	Yes	Yes
	Simultaneous Mode	Yes	Yes
VGA	Backlight MTBF	50,000 hrs	20,000 hrs
	Chipset	AMD CS5536	AMD CS 5536
VRAM		32 MB	32 MB
HDD/Type		1 x 2.5" drive Optional	1 x 2.5" drive
FDD/Type		-	-
PCMCIA Slot		-	-
CD-ROM/Combo Drive		-	-
DVD-ROM, DVD+/- RW Drive Option		-	-
I/O Ports		2 x Com ports, VGA port, 2 x USB	4 x COM ports, (COM4 reserved for touchscreen) 1 x parallel port, 4 x USB (2 x external, 2 internal), Mic-in/Line-out, PS/2 mouse & K/B, VGA port
Bus Expansion		1 X Mini PCI	1 x PCI/ISA slot, 1 x mini PCI
Network (LAN)		10/100 Mbps Ethernet	10/100 Mbps Ethernet (Dual LAN Optional)
IrDA Transmission		-	-
Power	Output Rating	60 W	65 W
	Input Voltage	12~30 V _{DC}	100 ~ 250 V _{AC} / 50 ~ 60 Hz
Touchscreen	Technology	Resistive	Resistive
	Control Ports	RS-232	RS-232 (COM 4)
	Light Transmission	80%	80%
	OS Support	Windows CE, XPE, XP	Windows CE, XPE, XP
	Durability (Touches)	10 million	35 million
Watchdog Timer		255 Levels	255 Levels
Working Temperature		0 ~ 50° C (32 ~ 122° F)	0 ~ 45° C (32 ~ 113° F)
Front Panel Protection		IP65 compliant	IP65 compliant
Certifications		CE, FCC Class B, UL, BSMI, CCC	
Dimensions (W x H x D)		202 x 148 x 49 mm (7.9" x 5.82" x 1.92")	342 x 265 x 92.4 mm (13.5" x 10.4" x 3.64")
Weight		1.2 kg (2.66 lb)	3.2 kg (7.1 lb)
Page		16	18


NEW


Fanless Panel Computer		
PPC-L128T PCM-8201	PPC-L157T PCM-8201	PPC-L158T PCM-8204
Intel Atom Processor N270 1.6 GHz	Intel Atom Processor N270 1.6 GHz	Intel Atom processor, dual-core D525 1.8G
DDR2 533 Up to 2 GB	DDR2 533 Up to 2 GB	DDR3 800 MHz up to 4 GB (2 GB each socket)
200-pin SODIMM x1 512 KB	200-pin SODIMM x1 512 KB	204-pin SODIMM x 2 1 MB
Supports one CompactFlash Type II, socket	Supports one CompactFlash Type II, socket	Supports one CFast Type II, socket
12.1" Color TFT LCD 1024 x 768 262 K 0.240 x 0.240 450 160°/160° Yes Yes 50,000 hours Intel 945GSE + Intel ICH7M 128MB One internal SATA interface- 2.5" Type - - Optional	15" Color TFT LCD 1024 x 768 262 K 0.297 x 0.297 350 160°/130° Yes Yes 50,000 hours Intel 945GSE + Intel ICH7M 128MB One internal SATA interface- 2.5" Type - - Optional	15" Color TFT LCD 1024 x 768 262 K 0.297 x 0.297 350 160°/130° Yes Yes 50,000 hours D525 + ICH8M 128MB One internal SATA interface- 2.5" Type - - Optional
3 Serial Ports: RS-232 x 2, RS-232/422/485 x 1; 1 GPIO port 1 VGA Port ; PS/2 Mouse and Keyboard, Line-in/ Line- out/ Mic-in Built-in 1W x 2 speakers, USB 2.0 ports x 4 1 x expansion slot for PCI/PCIe card 1 x mini PCIe slot 2 x 10/100/1000 Mbps (RJ-45) - 90 W 12 ~ 24 V _{DC} , 15 ~ 24 V _{DC} with battery pack (battery pack only for R81) Resistive USB 80% Microsoft Windows XP/XP Pro, Vista, Windows 7 and WES 7 35 million 255 Levels 0 ~ 45° C (32 ~ 113° F); 0 ~ 35° C with battery IP65 compliant CE, FCC Class B, UL, BSMI, CCC 340.5 x 269.3 x 70.5 mm (13.41" x 10.6" x 2.78") 3.63 kg (7.98 lb) 20	3 Serial Ports: RS-232 x 2, RS-232/422/485 x 1; 1 GPIO port 1 VGA Port ; PS/2 Mouse and Keyboard, Line-in/ Line- out/ Mic-in Built-in 1W x 2 speakers, USB 2.0 ports x 4 1 x expansion slot for PCI/PCIe card 1 x mini PCIe slot 2 x 10/100/1000 Mbps (RJ-45) - 90 W 12 ~ 24 V _{DC} , 15-24 V _{DC} with battery pack Resistive USB 80% Microsoft Windows XP/XP Pro, Vista, Windows 7 and WES 7 35 million 255 Levels 0 ~ 50° C (32 ~ 122° F); 0 ~ 35° C with battery IP65 compliant CE, FCC Class B, UL, BSMI, CCC, CB, VCCI 396.5 x 317.6 x 74.8 (15.6" x 12.5" x 2.95") 6 kg (13.2 lb) 22	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 1 x PS/2 mouse and 1 x keyboard interface 1 x expansion slot for PCI/PCIe card 1 x mini PCIe slot 2 x 10/100/1000 Mbps (RJ-45) - 100 W AC Model: 100W 100 ~ 250 V _{AC} / 50 ~ 60 Hz DC Model: 90W 15 ~ 24 V _{DC} Resistive RS-232 80% Microsoft Windows XP/XP Pro, Vista, Windows 7 and WES 7 35 million 255 Levels 0 ~ 50° C (32 ~ 122° F); 0 ~ 35° C with battery IP65 compliant CE, FCC Class B, UL, BSMI, CCC, CB, VCCI 396.5 x 317.6 x 74.8 (15.6" x 12.5" x 2.95") 6 kg (13.2 lb) 24

Multi-functional Panel PCs Selection Guide



Model Name		Multi-functional Panel Computer		
CPU Board		PPC-125T	PPC-154T	PPC-157T
Processor		PCM-8200	PCM-9683	PCM-8200
Processor		Socket 478 Supports Intel Core 2 Duo processor up to 2.16 GHz	Socket 478 Intel Pentium 4 processor up to 3.06 GHz	Supports Socket 478 based Core 2 Duo up to 2.16 GHz
Memory	Size	512 MB ~ 4 GB DDR2 SDRAM	512 MB ~ 2 GB DDR SDRAM	4 GB of 667 MHz DDR2 system memory
	Module Type	200-pin SODIMM x 2	184-pin DIMM x 2	SODIMM (socket x 2)
2nd Cache Memory		On-die 512 KB ~ 4 M	On-die 512 KB	On-die 512 KB ~ 4 M
Storage/Type		Supports 1 x internal CompactFlash Type II socket, 2.5" SATA HDD drive	Optional 6-in-1 Card reader (MS, SD, SM, MC, ad CF Type I/II sockets) 2.5" IDE HDD drive 2.5" SATA HDD drive (Converter board needed)	Supports 1 x internal CompactFlash Type II socket 2.5" SATA HDD drive
Display	Size/Type	12" TFT LCD	15" TFT LCD	15" Color TFT LCD
	Max. Resolution	1024 x 768	1024 x 768	1024 x 768
	Max. Colors	262 K	262 K	262K
	Pixel Pitch (mm)	0.240 x 0.240	0.297 x 0.297	0.297 x 0.297
	Brightness (cd/m²)	450	350	350
	Viewing Angle	80° (left), 80° (right), 80° (up), 80° (down)	80° (left), 80° (right), 70° (up), 60° (down)	80° (left), 80° (right), 70° (up), 60° (down)
	Brightness Control	Yes	Yes	Yes
	Simultaneous Mode	Yes	Yes	Yes
Backlight MTBF		50,000 hrs	50,000 hrs	50,000 hrs
VGA	Chipset	945GME	Intel 845GV	945GME
VRAM		224 MB	32 ~ 64 MB (DVT)	224 MB
FDD/Type		-	-	-
PCMCIA Slot		-	-	-
CD-ROM/Combo Drive		Optional external module for 1 x slim type optical drive (optional SATA optical drive)	Built-in 1 x 24X slim type CD-ROM, Optional other IDE optical drive	Optional 1 x Slim type optical drive bay (optional SATA optional drive)
DVD-ROM, DVD+/- RW Drive Option		Yes	Yes	Yes
I/O Ports		4 x COM ports (3 x RS-232, 1 x RS-232/422/485) 6 x USB V2.0 ports, 1 x PS/2 mouse & K/B, Mic-in/Line-in/ Line-out, 1 W speakers 2 x Gigabit Ethernet ports 1 D-SUB VGA port	2 x COM ports, 1 x Parallel port, 4 x USB ports (V2.0), PS/2 mouse & K/B, Mic-in/Line-in/Line-out, 1 x D-SUB VGA port, S-Video port, 2 x IEEE 1394 ports	4 x COM ports (3 x RS-232, 1 x RS-232/422/485) 4 x USB 2.0 ports, 1 x PS/2 mouse and keyboard interface MIC in/Line in/Line out port, 1W speaker, 2 x Gigabit Ethernet ports, 1 x D-SUB VGA port
Bus Expansion		1 x PCI-e Expansion Slot or 1 x PCI slot (Both are available as options) 1 x Mini PCI Socket 1 x Mini PCI-e socket	1 x PCI Slot	1 x PCI-e Expansion Slot (PCI is available as option) 1 x Mini PCI Socket 1 x Mini PCI-e socket
Network (LAN)		2 x Gigabit Ethernet ports, Wake on LAN, boot from LAN and LAN teaming supported	1 x 10/100 Mbps Ethernet (Gigabit Optional)	2 x Gigabit Ethernet ports, Wake on LAN, boot from LAN and LAN teaming supported
IrDA Transmission		-	-	-
Power	Output Rating	150 W	180 W	150 W
	Input Voltage	AC Model: 150 W Input voltage: 100 ~ 240 V _{AC} , 50 ~ 60 Hz, 2 ~ 4 A DC Model: 100 W (only for -FTE model) Input voltage: 16 ~ 32 V _{DC}	100 ~ 240 V _{AC} @ 50 ~ 60 Hz	100 ~ 240 V _{AC} , 50 ~ 60 Hz, 2 ~ 4 A
Touchscreen	Technology	Resistive	Resistive/Capacitive/SAW/IR	Resistive
	Control Ports	USB	USB	USB
	Light Transmission	80% (Resistive)	80% (Resistive)/ 91% (Capacitive)/ 91% (SAW)/ 91% (IR)	80% (Resistive)
	OS Support	Microsoft Windows XP/XP Pro, Vista, Windows 7 and WES 7	Windows 95/98/ME/2000/XP, DOS/XPE	Microsoft Windows XP/XP Pro, Vista, Windows 7 and WES 7
Durability (Touches)		35 million (Resistive)	35 million (Resistive)/ 225 million (Capacitive)/ 50 million (SAW)/ 100,000 hrs (IR)	35 million (Resistive)
Watchdog Timer		255 level	62 level, 1 ~ 62 seconds	255 level
Working Temperature		0 ~ 50° C (32 ~ 122° F)	0 ~ 45° C (32 ~ 113° F)	0 ~ 50° C (32 ~ 122° F)
Front Panel Protection		IP65 compliant	IP65 compliant (systems with SAW T/S excluded)	IP65 compliant
Certifications		CE, FCC, BSMI, CCC, UL, CB	BSMI, VCCI, UL, CE, FCC, Class B, CCC	BSMI, CE, FCC Class B, CCC
Dimensions (W x H x D)		376 x 285.55 x 100.95 mm (14.80" x 11.24" x 3.97")	420 x 223.3 x 130.5 mm (16.54" x 12.72" x 5.12")	420 x 223.3 x 130.5 mm (16.54" x 12.72" x 5.12")
Weight		5.8 kg (12.77 lb)	7 kg (15.4 lb)	6 kg (13.22lb)
Page		26	28	30



NEW



Multi-functional Panel Computer		
PPC-174T	PPC-177T	PPC-179T
PCM-9680	PCM-8200	PCM-8203
Socket 478 Intel Pentium 4 processor up to 3.06 GHz	Supports Socket 478 based Core 2 Duo processor up to 2.16 GHz	LGA775 Socket-based Intel Core 2 Duo processor up to 3.0 GHz
512 MB ~ 2 GB DDR SDRAM	Supports up to 4 GB of 667 MHz DDR2 system memory	Supports up to 4 GB of 1333 MHz DDR3 system memory
184-pin DIMM x 2	SODIMM (socket x 2)	240-pin DIMM x 2
On-die 512 KB	On-die 512 KB ~ 4 M	On-die 512 KB ~ 4 M
Optional 6-in-1 Card reader (MS, SD, SM, MC, ad CF Type I/II sockets)	Supports 1 x internal CompactFlash Type II socket	Supports 1 x internal CFast Type II socket,
2.5" IDE HDD drive	2.5" SATA HDD drive	1 2.5" SATA HDD drive
2.5" SATA HDD drive (Converter board needed)		
17" TFT LCD	17" Color TFT LCD	17" TFT LCD
1280 x 1024	1280 x 1024	1280 x 1024
16.7 M	16.7M	16.7 M
0.264 x 0.264	0.264 x 0.264	0.264 x 0.264
300	300	300
80° (left), 80° (right), 80° (up), 80° (down)	80° (left), 80° (right), 80° (up), 80° (down)	80° (left), 80° (right), 80° (up), 80° (down)
Yes	Yes	Yes
Yes	Yes	Yes
50,000 hrs	50,000 hrs	50,000 hrs
Intel 845GV	945GME	Intel Q45
32 ~ 64 MB (DVMT)	224 MB	256 MB (DVMT)
-	-	-
Built-in 1 x 24X slim type CD-ROM, Optional other IDE optical drive	Optional 1 x Slim type optical drive bay (optional SATA optional drive)	Equipped with one slim 8x SATA DVD +/- RW (BLACK)
Yes	Yes	Yes
3 x COM ports, 1 x Parallel port, 4 x USB ports (V2.0), PS/2 mouse & K/B, Mic-in/Line-in/Line-out, 1 x D-SUB VGA port, S-Video port	4 x COM ports (3 x RS-232, 1 x RS-232/422/485) 4 x USB 2.0 ports, 1 x PS/2 mouse and keyboard interface Mic-in/Line-in/Line-out port, 1 W speakers, 2 x Gigabit Ethernet ports, 1 x D-SUB VGA port	4 x serial ports: 3 x RS-232, 1 x RS-232/422/485, 6 x USB2.0 ports, Mic-in, Line-in, Line-out, 1 x D-SUB VGA port, 2 x Gigabit Ethernet ports
2 x PCI expansion slot 1 x Mini PCI Socket	1 x PCI-e Expansion Slot (PCI is available as option) 1 x Mini PCI Socket 1 x Mini PCI-e socket	1 x PCI + 1 x PCI-E through riser, 1 x Mini PCIe
1 x 10/100 Mbps Ethernet (Gigabit Optional)	2 x Gigabit Ethernet ports, Wake on LAN, boot from LAN and LAN teaming supported	2 x 10/100/1000 Mbps Ethernet
-	-	-
180 W	150 W	220 W
100 ~ 240 V _{AC} @ 50 ~ 60 Hz	100 ~ 240 V _{AC} , 50 ~ 60 Hz, 2 ~ 4 A	100 ~ 240 V _{AC} @ 50 ~ 60 Hz
Resistive/Capacitive/SAW/IR RS-232 (COM4)	Resistive USB	Resistive RS-232 (COM4)
80% (Resistive)/ 91% (Capacitive)/ 91% (SAW)/ 91% (IR)	80% (Resistive)	80% (Resistive)
Windows 95/98/ME/2000/XP, DOS/XPE	Microsoft Windows XPe/XP Pro, Vista, Windows 7 and WES 7	Microsoft Windows XPe/XP Pro, Vista, Windows 7 and WES 7
35 million (Resistive)/ 225 million (Capacitive)/ 50 million (SAW)/ 100,000 hrs (IR)	35 million (Resistive)	35 million (Resistive)
62 level, 1 ~ 62 seconds 0 ~ 45° C (32 ~ 113° F)	255 level 0 ~ 50° C (32 ~ 122° F)	62 level, 1 ~ 62 seconds 0 ~ 45° C (32 ~ 113° F)
IP65 compliant (systems with SAW T/S excluded)	IP65 compliant	IP65 compliant
BSMI, VCCI, UL, CE, FCC, Class B, CCC	BSMI, CE, FCC Class B, CCC	BSMI, VCCI, UL, CE, FCC, Class B, CCC
446 x 382 x 127 mm (17.56" x 15.04" x 5")	442 x 382 x 111.5mm (17.4" x 14.25" x 4.39")	446 x 382 x 149.3 mm (17.56" x 15.04" x 5.88")
10.5kg (23lb)	7.6 kg (16.74 lb)	11.0 kg (27.94 lb)
32	34	36

PPC-L61T

6.5" Fanless Panel PC with AMD Geode™ LX800 Processor



Features

- 6.5" TFT VGA LCD (LED Backlight)
- AMD Geode LX800 CPU on board
- System memory up to 1 GB DDR SDRAM
- One CompactFlash® Type I/II socket (True IDE Mode)
- Microsoft® Windows® CE 6.0 and XP Embedded available
- Fanless and ultra-low power consumption
- Adjust RS-232/422/485 through BIOS
- Aluminum Front Bezel
- Automatic data flow control over RS-485



Introduction

PPC-L61T is a 6.5" industrial-grade Panel PC (PPC) for small interface requirements such as Human Machine Interfaces (HMI) or Multifunctional Products (MFP). PPC-L61T is highly reliable because it incorporates a low power CPU that does not need a cooling fan. The robust aluminum makes this interface suitable for long-term solutions, and especially suitable for environments such as chemical and food processing plants. PPC-L61T comes with an embedded OS for faster application development, so driver development and customization of images do not slow down project implementation.

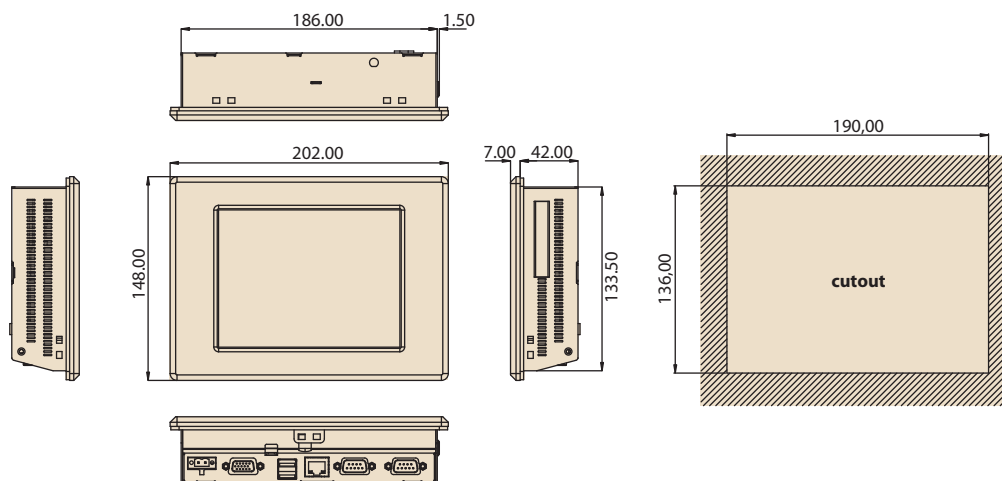
Specifications

Processor System	CPU	Onboard AMD Geode LX800 (500 MHz)
	Memory	1 x 200-pin SODIMM socket that accepts a 256/512/1024 MB
	2nd Cache Memory	128 KB on-die
	Chipset	AMD Geode CS5536
	BIOS	4 Mbit Flash BIOS
	SSD	One type I/II CompactFlash socket
		PPC-L61T-CE-RTE comes with one 256 MB built-in CompactFlash card
	HDD	1 x 2.5" external SATA HDD module (Optional)
	I/O Ports	- 2 x Serial ports: RS-232 x 1, RS-232/422/485 x 1
		- 4 x USB ports (2 x external, 2 x internal)
		- 1 x VGA port
	Bus Expansion	1x MINI PCI expansion slot
	Network (LAN)	10/100 Mbps Ethernet
OS Support	Microsoft	Windows XP, CE, XP
	Power Supply	Input Voltage 12 V _{DC} ~ 30 V _{DC} , 2.5 A max
LCD Display	Display Type	6.5" TFT LCD (LED Backlight)
	Max. Resolution	640 x 480
	Colors	262 K
	Dot Size (mm)	0.207 X 0.207
	Viewing Angle	80 (left), 80 (right), 70 (up), 70 (down)
	Luminance	700
	Brightness Control	Yes (by BIOS)
	Operating Temperature	-30 ~ 85° C (-22 ~ 185°F)
Touchscreen	Backlight Lifetime	50,000 hrs
	Type	Analog Resistive 4 wires
	Resolution	2048 x 2048
	Light Transmission	80%
	Controller	RS232 interface
	Software Driver	Supports Windows XP, CE
	Durability (Touches)	10 million

PPC-L61T

Dimensions

Unit: mm



Specifications

Environmental Specifications	Operating Temperature	0 ~ 50° C (32 ~ 122° F)
	Storage Temperature	-20 ~ 60° C (-4 ~ 140° F)
	Relative Humidity	10 ~ 95% @ 40° C (non-condensing)
	Shock (Operating)	10 G peak acceleration (11 ms duration)
	Vibration	1 G
	EMC	BSMI, CE, FCC Class B, VCCI
	Safety	CB, CCC, BSMI, UL
	Front Panel Protection	IP65 compliant

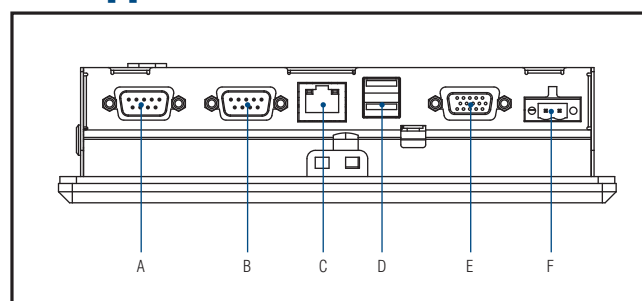
Ordering Information

Part No.	Description
PPC-L61T-071-XE	AMD LX800 500 MHz processor-based fanless Panel PC with 6.5 inch TFT LCD (LED Backlight)
PPC-L61T-R71-XE	PPC-L61T-070-XE with resistive touchscreen (LED Backlight)
PPC-L61T-CE1-RTE	PPC-L61T-R71-XE with Windows CE.Net (English) on 256 MB CompactFlash (LED Backlight)

Accessories

Part No.	Description
PS-DC19-L157E	19 V _{DC} power adapter module for PPC-L128/ PPC-L157T
PPC-174T-WL-MTE	Wall mount kit for PPC series
989KL61T00E	HDD kit for PPC-L61T (SATA Interface)
989KL12709E	Wireless LAN Module for PPC-L127T
1700001524	POWER Cord 3P UL 10A 125V 180cm
170203183C	POWER Code 3P Europe (WS-010+083)183cm
1700008921	POWER CORD 3P/3P POWER SUPPLY 1.8M PSE

I/O Appearance



- A. Serial Ports (RS-232/422/485)
- B. Serial Ports (RS-232)
- C. Ethernet Jack
- D. USB 2.0 X 2
- E. VGA port
- F. DC inlet

PPC-L62T

6.5" Fanless Panel PC with Intel® Atom™ N455 Processor



Features

- 6.5" TFT VGA LCD (LED Backlight)
- Intel® Atom™ N455 CPU on board
- System memory up to 2GB DDR3 SDRAM
- One CFast socket
- Fanless design and compact size
- Aluminum front bezel
- Dual Gigabit LAN support
- Adjust RS-232/422/485 through BIOS
- Automatic data flow control over RS-485



Introduction

PPC-L62T is a 6.5" industrial-grade Panel PC for compact applications for machine builders. PPC-L62T is highly reliable because of its fanless design. The IP65 compliant aluminum front bezel provides excellent protection especially in harsh environments (water and dust). The Dual Gigabit LAN provides reliable communication between machine and control unit and the teaming function enhances fault tolerance and load balancing. PPC-L62T supports the most popular operating systems, such as Microsoft Windows XP, XP Embedded and Windows CE 6.0.

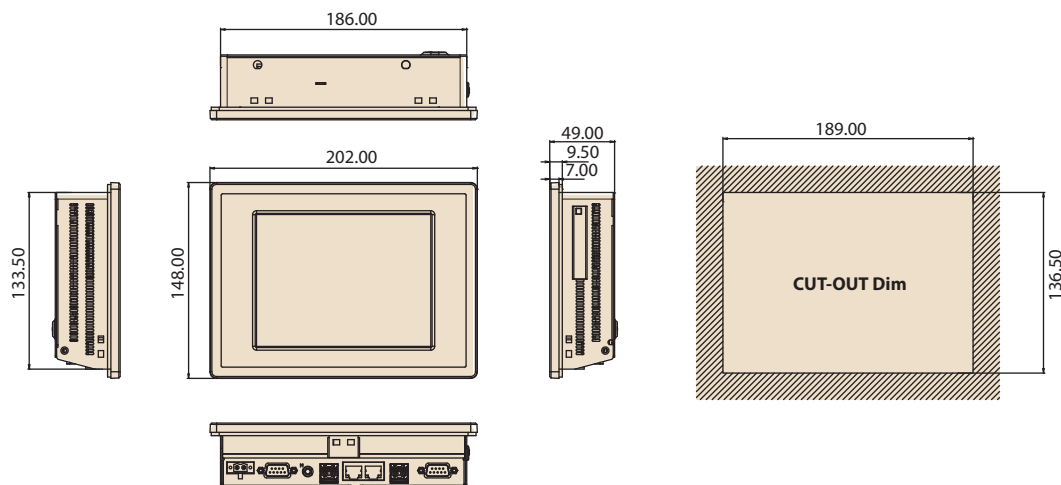
Specifications

Processor system	CPU	Intel Atom N455 1.66GHz Single Core CPU on board
	Memory	SO-DIMM x 1, DDR3 667, Max 2GB
	2nd Cache Memory	512 KB
	Chipset	Intel ICH8M
	SSD	CFast*1
	HDD	1 x 2.5" external SATA HDD module (Optional)
	I/O Ports	2 x Serial ports: RS-232x1; RS-232/422/485 x1; 4 x USB; 1 x Line-out
	Bus Expansion	1x MINI PCIe
	Network (LAN)	2 x 10/100/1000Mbps Ethernet
	Watchdog Timer	255 timer levels; setup by software
	Dimensions (W x H x D)	202 x 148 x 49 mm (7.9" x 5.82" x 1.92")
	Weight	1.5 kg (3.30 lb)
OS Support	OS Support	Microsoft XPE, XP pro , CE6.0, WIN7
Power Supply	Input Voltage	15-24VDC
LCD Display	Display Type	6.5" TFT LCD (LED Backlight)
	Max. Resolution	640 x 480
	Colors	262K
	Dot Size (mm)	0.207 X 0.207
	Viewing Angle	80 (left), 80 (right), 70 (up), 70 (down)
	Luminance	700
	Brightness Control	Yes (by BIOS)
	Operating Temperature	-30 ~ 85° C (-22 ~ 185°F)
Touchscreen	Backlight Lifetime	50, 000 hrs
	Touch Type	Analog Resistive 5 wires
	Resolution	2048 x 2048
	Light Transmission	81%
	Controller	RS232 interface
	Software Driver Supports	Windows 7, XP, CE
Touchscreen	Durability (Touches)	36 millions

PPC-L62T

Dimensions

Unit: mm



Specifications

Environment	Operating Temperature	0 ~ 50° C (32 ~ 122° F)
	Storage Temperature	-20 ~ 60° C (-4 ~ 140° F)
	Relative Humidity	10 ~ 95% @ 40° C (non-condensing)
	Shock	Operating 10 G peak acceleration (11 ms duration), follow IEC 60068-2-27
	Vibration	Operating Random Vibration Test 5~500Hz, 1Grms, follow IEC 60068-2-64
	EMC	BSMI, CE, FCC Class B
	Safety	CB, CCC, BSMI, UL
	Front Panel Protection	IP65 compliant

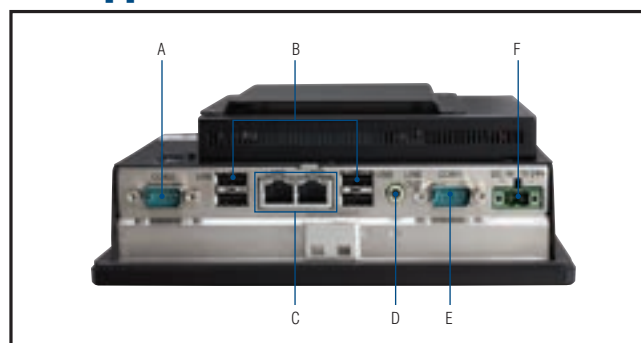
Ordering Information

Part No.	Description
PPC-L62T-R80-AXE	Fanless Atom N455 PPC w/6.5" LCD+Res T/S+2LAN
PPC-L62T-080-AXE	Fanless Atom N455 PPC w/6.5" LCD+2LAN (w/o T/S)

Accessories

Part No.	Description
PS-DC19-L157E	19 V _{DC} power adapter module for PPC-L128/ PPC-L157T
1700001524	POWER Cord 3P UL 10A 125V 180cm
170203183C	POWER Code 3P Europe (WS-010+083)183cm
1700008921	POWER CORD 3P/3P POWER SUPPLY 1.8M PSE
PPC-L62T-HDD-EXPE	HDD kit for PPC-L62T
PPC-L62T-WLANE	Wireless LAN Module for PPC-L62T
2070011145	Image WES09 PPC-L62T V4.0 24MUI ATI PSNL
PPC-ARM-A03	PPC ARM VESA Standard
PPC-174T-WL-MTE	Wall mount kit for PPC series
2070011174	Image CE60 Pro PPC-L62T V1.0 ENG
2070011176	Image CE60 Pro PPC-L62T V1.0 JPN

I/O Appearance



A. Serial Port(RS-232/422/485)
B. USB 2.0 x 4
C. 10/100/1000 Ethernet x 2

D. Audio Line-out
E. Serial Port(RS-232)
F. DC inlet

PPC-L128T

12.1" Fanless Panel PC with Intel® Atom™ N270 Processor



Features

- 12.1" TFT XGA LCD with optional resistive touchscreen
- Embedded Intel® Atom™ processor N270 1.6 GHz
- Supports up to 2 GB DDR2 SDRAM
- Supports one internal SATA 2.5" HDD
- Support 4 USB 2.0 ports, Dual Gigabit Ethernet
- Optional PCI/PCIe x 1 expansion kit
- Fanless and ultra-low power consumption
- Automatic data flow control over RS-485 (COM2)



Introduction

The PPC-L128T is 12.1" Fanless panel PC that delivers high performance while consuming low power. The PPC-L128T operates with low noise and provides display resolutions up to 1024 x 768 (XGA) pixels. The PPC-L128T is equipped with dual Gigabit Ethernet connectors supporting either failover or LAN teaming. Advantech's customization services and optional accessories including wireless modules, battery packs, and SATA optical devices, allowing system integrators to design tailor-made solutions for a host of industrial applications. And PPC-L128T optionally supports a sunlight readable display, making it suitable for outdoor use.

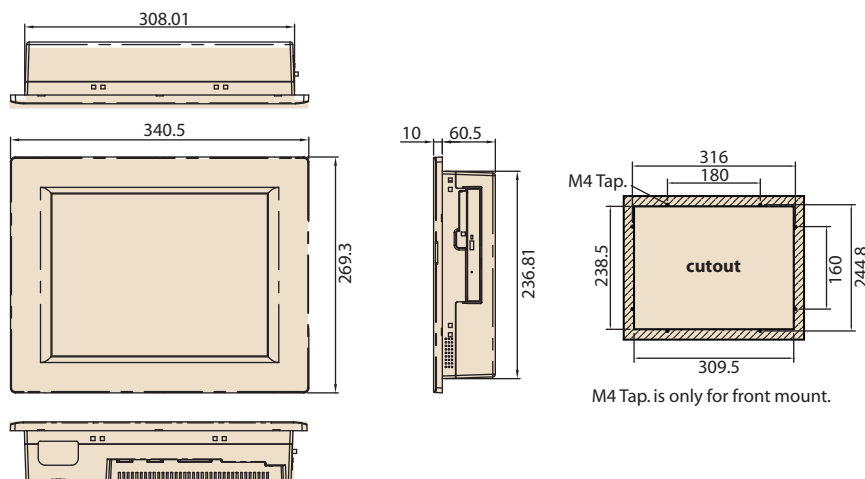
Specifications

Processor System	CPU	Intel Atom Processor N270 1.6 GHz	
	CPU Front Side Bus	533 MHz	
	Chipset	Intel 945GSE + Intel ICH7M	
	Secondary Cache	512 KB L2 Cache	
	Memory	200-pin DDR2 533 SODIMM x1 Up to 2 GB	
	DVD+/-RW	Optional (989KL128T00E)	
	SSD	Supports one CompactFlash Type 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	3 Serial Ports: RS-232 x 2, RS-232/422/485 x 1; 1 GPIO port 1 VGA Port ; PS/2 Mouse and Keyboard Line-in/ Line-out/ Mic-in Built-in 1W x 2 speakers, USB 2.0 ports x 4	
OS Support	Bus Expansion	1 x expansion slot for PCI/PCIe card 1 x MINI PCIe slot	
	Front Panel Protection	IP65 compliant	
	Weight	3.63 kg (7.98 lb)	
	Dimensions (W x H x D)	340.5 x 269.3 x 70.5 mm (13.41" x 10.6 x 2.78")	
Power Supply		12 ~ 24 V _{DC}	
LCD Display		PPC-L128T-R80/080 series	PPC-L128T-R81/081 series
	Display Type	12.1" Color TFT LCD	12.1" Color TFT LCD (LED backlight)
	Max. Resolution	1024 x 768	1024 x 768
	Colors	262 K	262 K
	Pixel Pitch (mm)	0.240 x 0.240	0.240 x 0.240
	Viewing Angle	160°/160°	160°/160°
	Luminance (cd/m²)	450	600
	Brightness Control	Yes (by BIOS)	Yes (by BIOS)
	Backlight Lifetime	50,000 hours	50,000 hours
Touchscreen (optional)	Type	Analog Resistive 5 wires (ELO)	Analog Resistive 5 wires (AMT), Anti-Corrosive type
	Resolution	Continuous	2048 x 2048
	Light Transmission	80 %	80 %
	Controller	USB Interface	RS232 Interface (COM4)
	Durability (Touches)	35 million	35 million
Environmental Specifications	Operating Temperature	0-45° C (32-113° 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	

PPC-L128T

Dimensions

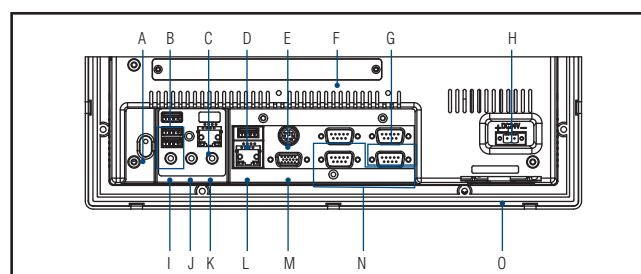
Unit: mm



Ordering Information

Part NO	Description
PPC-L128T-081-XE	Intel Atom processor N270 1.6 GHz Fanless panel PC with 12.1" TFT LCD (LED backlight)
PPC-L128T-R81-XE	PPC-L128T-081-XE with resistive touchscreen (LED backlight)
PPC-L128T-080-XE	Intel Atom processor N270 1.6 GHz fanless panel PC with 12.1" TFT LCD
PPC-L128T-R80-XE	PPC-L128T-080-XE with resistive touchscreen
PPC-L128T-R80-WXE	PPC-L128T-080-XE with resistive touchscreen (White)
PPC-L128T-RXPE0E	PPC-L128T w1G Memory/ Windows XPE XPE on 160G HDD
PPC-ARM-A03	VESA Stand ARM for PPC series
PPC-174T-WL-MTE	Wall mount kit for PPC series
PPC-L126 STAND	Stand desktop stand for PPC-L126T/PPC-L127T
PPC-L128-EXPE	PCI/PCle expansion kit for PPC-L128
PS-DC19-L157E	19V DC power adapter module for PPC-L128/PPC-L157
1700001524	Power cord 3P UL 10A 125V 1.8M
170203183C	POWER Code 3P Europe (WS-010+083)183cm
1700008921	POWER CORD 3P/3P POWER SUPPLY 1.8M PSE
989KL128T00E	Slim type DVD-RW Module for PPC-L128
989KL128T02E	Wireless LAN module for PPC-L128T
2070008770	XPE WES2009 PPC-L128T V4.0 MUI24(R80)
2070010364	CE 6.0 Pro PPC-L128T V1.3 ENG(R81)
2070010549	XPE WES2009 PPC-L128T V4.0 24MUI (R81)
2070010816	WES7P SP1 x86 PPC-L128T V5.1 EN_JP_CT_CS ATI(R81)
2070010817	WES7E SP1 x86 PPC-L128T V5.1 ENG ATI PSNL(R81)

I/O Appearance



- A. Main power switch
- B. USB 2.0 x 3
- C. Ethernet jack
- D. USB 2.0
- E. PS/2 mouse and keyboard
- F. PCI/PCle expansion slot cover
- G. GPIO port
- H. DC inlet
- I. Line-in jack
- J. Line-out jack
- K. Mic-in jack
- L. Ethernet jack
- M. VGA port
- N. Serial ports
- O. Battery door cover

PPC-L157T

15" Fanless Panel PC with Intel® Atom™ N270 Processor



Features

- 15" TFT XGA LCD with optional resistive touchscreen
- Embedded Intel® Atom™ processor N270 1.6 GHz
- System memory up to 2 GB DDR2 SDRAM
- Supports one internal SATA 2.5" HDD
- Supports six USB 2.0 ports (4 external/ 2 internal), Dual Gigabit Ethernet
- Optional PCI/PCIe x 1 expansion kit
- Fanless and ultra-low power consumption
- Optional smart battery module
- Automatic data flow control over RS-485 (COM2)



Introduction

The PPC-L157T is a 15" Fanless panel PC that delivers high performance while consuming low power. The PPC-L157T operates with low noise and provides display resolutions up to 1024 x 768 (XGA) pixels. The PPC-L157T is equipped with dual Gigabit Ethernet connectors supporting either failover or LAN teaming. Advantech's customization services and optional accessories including wireless modules, battery packs, and SATA optical devices, allow system integrators to design tailor-made solutions to a host of industrial applications.

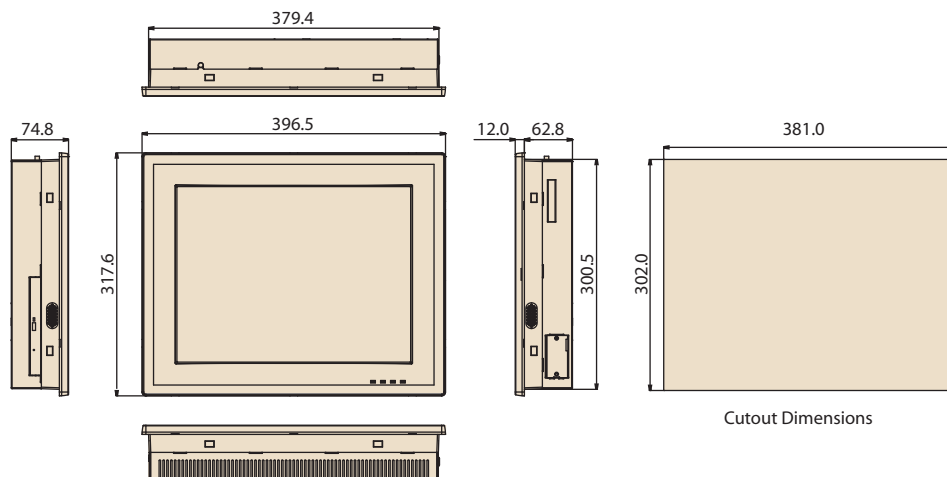
Specifications

Processor System	CPU	Intel Atom Processor N270 1.6 GHz	
	CPU Front Side Bus	533 MHz	
	Chipset	Intel 945GSE + Intel ICH7M	
	Secondary Cache	512 KB L2 Cache	
	Memory	200-pin DDR2 533 SODIMM x1 Up to 2 GB	
	DVD+/-RW	989KL15702E	
	SSD	Supports one CompactFlash Type 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	3 Serial Ports: RS-232 x 2, RS-232/422/485 x 1; 1 GPIO port 1 VGA Port ; PS/2 Mouse and Keyboard Line-in/ Line-out/ Mic-in Built-in 1W x 2 speakers, USB 2.0 ports x 4	
OS Support	Bus Expansion	1 x expansion slot for PCI/PCIe card 1 x MINI PCIe slot	
	Front Panel Protection	IP65/ NEMA 4 compliant	
	Weight	6 kg (13.2 lb)	
	Dimensions (W x H x D)	396.5 x 317.6 x 74.8 (15.6" x 12.5" x 2.95")	
Power Supply	OS Support	Microsoft Windows XPe/XP Pro, Vista, Windows 7 and WES 7	
LCD Display	Power Supply	12 -24 Vdc, 15-24 VDC with battery pack	
	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°/130°	
	Luminance (cd/m²)	350	
	Brightness Control	Yes (by BIOS)	
Touchscreen (optional)	Backlight Lifetime	50,000 hours	
	Type	Analog Resistive 5 wires (ELO)	Analog Resistive 5 wires (AMT), Anti-Corrosive type
	Resolution	Continuous	2048 x 2048
	Light Transmission	80 %	80 %
	Controller	USB Interface	RS232 Interface (COM4)
Environmental Specifications	Durability (Touches)	35 million	35 million
	Operating Temperature	0-50° C (32-122° F); 0-35° C with battery pack	
	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	

PPC-L157T

Dimensions

Unit: mm

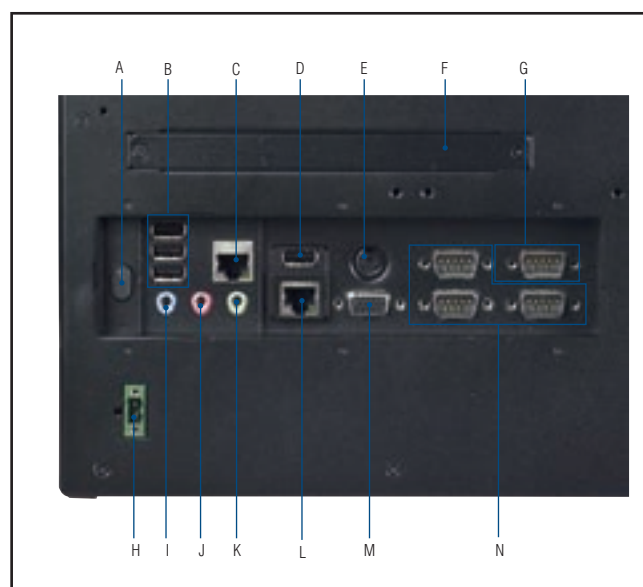


Ordering Information

Part NO	Description
PPC-L157T-080-XE	Intel Atom processor N270 1.6 GHz fanless panel PC with 15" TFT LCD
PPC-L157T-R80-XE	PPC-L157T-080-XE with resistive touchscreen
PPC-L157T-RXPE0E	PPC-L157T with 1G memory/Windows XPE on 160G HDD
PPC-ARM-A03	VESA Stand ARM for PPC series
PPC-174T-WL-MTE	Wall mount kit for PPC series
PPC-L157-STANDE	Stand desktop stand for PPC-L157T
PPC-L157-EXPE	PCI/PCle expansion kit for PPC-L157
PS-DC19-L157E	19V DC power adapter module for PPC-L128/PPC-L157
1760000837	Smart Li-ion 3S2P 11.1V 4400 mAh -LTC4006/L127
1700001524	Power cord 3P UL 10A 125V 1.8M
989KL15700E	Wireless Module for PPC-L157T Series
989KL15702E	Slim type DVD-RW Module for PPC-L157T Series
PPC-L157T-R81-XE	Intel Atom processor N270 1.6 GHz fanless panel PC with 15" TFT LCD and AMT Anti-Corrosive touchscreen (LED backlight)
2070009824	XPE WES2009 for PPC-L157T V4.0 24MUI



I/O Appearance



- A. Main power switch
- B. USB 2.0 x 3
- C. Ethernet jack
- D. USB 2.0
- E. PS/2 mouse and keyboard
- F. PCI/PCI-E expansion slot cover
- G. GPIO port

- H. DC inlet
- I. Line-in jack
- J. Line-out jack
- K. Mic-in jack
- L. Ethernet jack
- M. VGA port
- N. Serial ports

PPC-L158T

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

NEW



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.

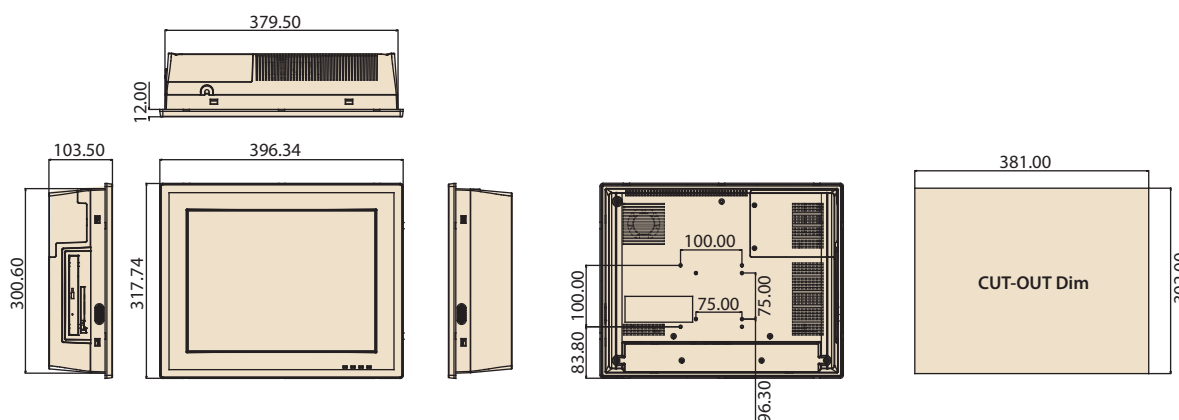
Specifications

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 (does not support ECC and REG)	
	DVD-RW Drive	Optional (989K017702E)	
	SSD	Supports 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	
1 x PS/2 mouse and 1 x keyboard interface			
Bus Expansion	2 x IEEE 1394 ports (optional)		
	* RS-232/422/485 - selected in BIOS and supporting RS-232/GPIO by swapping pinheader, Auto-flow control		
	1 x expansion slot for PCI/PCIe card		
Front Panel Protection	1 x MINI PCIe slot		
Weight	IP65 compliant		
Dimensions (W x H x D)	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, Windows 7, WES7 and CE6.0		
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/m ²)	350	
	Brightness Control	Yes	
	Backlight Lifetime	50,000 hours	
Touchscreen (optional)	Type	Analog Resistive 5-wire (AMT) Anti-Corrective type	
	Resolution	2048 x 2048	
	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	

PPC-L158T

Dimensions

Unit: mm

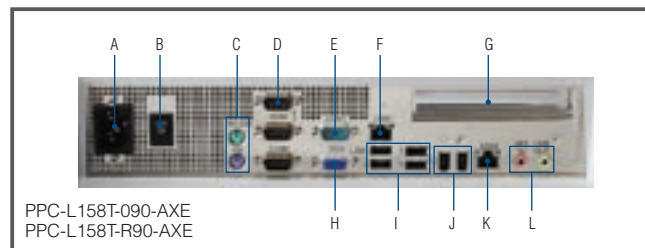


Ordering Information

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-MTE	Wall mount kit for PPC series
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-L158T/157/177
2070010541	Image XPE WES2009 PPC-L158 V4.0 24 MUI
2070011078	Image CE 6.0 Pro PPC-L158 V1.0 ENG
PPC-L158T-WLANE	Wireless Module for PPC-L158T Series

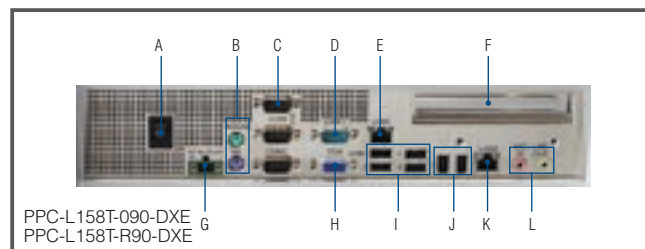
I/O Appearance

AC Input Model



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

DC Input Model



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

PPC-125T

12" Panel PC with Intel® Core™2 Duo Processor



Features

- 12.1" TFT XGA (1024 x 768) LCD Panel
- Intel® Core™2 Duo processor up to 2.16 GHz
- System memory up to 4 GB (DDR2 200-pin SODIMM socket x 2)
- 1 x PCI slot or 1 x PCIe slot (both optional)
- One Mini PCIe slot
- Built-in CF card interface (IDE interface for OS booting)
- Two Gigabit Ethernet ports, support LAN teaming
- One RS-232/422/485; (supporting Auto-flow control, selecting by BIOS)



Introduction

The PPC-125T is an Intel Core 2 Duo based Panel PC with 12.1" color TFT LCD. It features multimedia devices, various connectors, and can be installed in virtually any application. In addition, its user-friendly interface makes it a great host for information appliances. Four serial COM supports auto-flow control PPC-125T advanced networking capabilities, and provides a great solution for versatile applications.

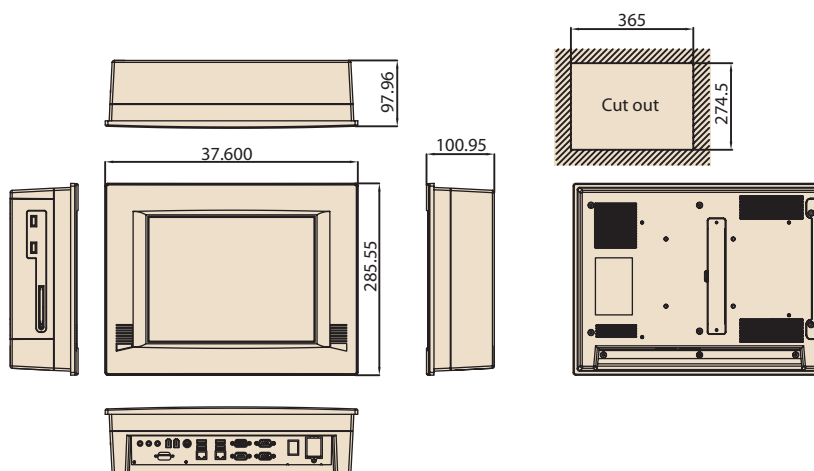
Specifications

Processor System	CPU	Supports mSocket 478 based Core 2 Duo up to 2.16 GHz
	CPU FSB	533/667 MHz
	Chipset	945GME + ICH7M
	Disk Drive Housing	Room for 1 x 2.5" SATA HDD
	Dimensions (W x H x D)	376 x 285.55 x 100.95 mm (14.80" x 11.24" x 3.97")
	Front Panel Protection	IP65 compliant
	Weight	5.6 kg (12.33 lb)
	HDD	SATA HDD interface (2.5" HDD bay)
	DVD+/-RW Drive	Optional external module with SATA DVD-RW Drive
	Memory	Socket x 2, supports up to 4 GB DDR2 SDRAM 200pin SODIMM
	Network (LAN)	2 x Gigabit Ethernet ports, support both wake on LAN and boot from LAN functions.
	I/O Ports	- 4 x COM ports: 3 x RS-232, 1 x RS-232/422/485 - 6 x USB 2.0 ports - 1 x PS/2 mouse and keyboard interface - MIC in / Line in / Line out port, 1 W speakers - 2 x Gigabit Ethernet ports - 1 x D-SUB VGA port
Environmental Specifications	Bus Expansion	PCI riser card & PCIe riser card are available as options, 1 x Mini PCI socket, 1 x Mini PCIe socket
	Operating Temperature	0 ~ 50° C (32 ~ 122° F)
	Relative Humidity	10 ~ 95% @ 40° C non-condensing
	Shock	10 G peak acceleration (11 msec. duration)
	EMC	BSMI, CE, FCC Class B, CCC
Power Supply	Safety	CB, CE, UL
	AC Model	Output Rating 150 W (max.)
		Input Voltage 100 ~ 240 V _{AC} , 50 ~ 60 Hz, 2 ~ 4 A
		Output Voltage +3.3 V @ 4.5 A, +5 V @ 8.5 A, +12 V @ 7.0 A, +5 V _{sb} @ 1.5 A, -12 V @ 0.3 A
LCD Display	Display Type	Color TFT LCD
	Size (Diagonal)	12.1"
	Max. Resolution	1024 x 768
	Max. Colors or Grayscales	262 K
	Pixel Pitch (mm)	0.240 x 0.240
	Luminance (cd/m ²)	450
	Contrast Ratio	700 : 1
	Viewing Angle	80° (left), 80° (right), 80° (up), 80° (down)
Touchscreen (optional)	Operating Temperature	-30 ~ +70° C
	LCD MTBF	50,000 hrs
	Type	5-wire Analog Resistive (USB interface)

PPC-125T

Dimensions

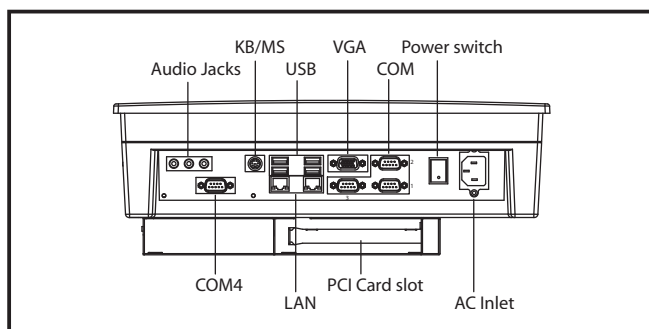
Unit: mm



Ordering Information

Part No.	Description
PPC-125T-BAREE	12.1" Core 2 Duo Panel PC without T/S
PPC-125T-BARE-TE	12.1" Core 2 Duo Panel PC with Resi. T/S
PPC-125-STANDE	Stand kit for PPC-125 series
PPC-174T-WL-MTE	Wall mount kit for PPC series
PPC-ARM-A03	PPC ARM VESA Standard
989K012500E	PCI-e riser card with rear add-on box with 1 x Slim SATA ODD bay
989K012502E	DVD-RW Drive Module for PPC-125 with 1 x PCI-e slot
989K012503E	PCI riser card with rear add-on box with 1 x Slim SATA ODD bay
1702002605	POWER CABLE 90D 220V EUROPEAN 250V/6A 1.8M
1702002600	Power Cable UL/CSA (USA) 180D 125V10A 1.83M
2070006629	XPE FP2007 PPC-125T V3.01 ENG_JPN_CHT_CHS
2070006569	Image XPE FP2007 PPC-125T V3.01 ENG

I/O Appearance



Feature Details

Protection

To meet the requirements of a public environment, the front panel PPC-125T complies with the IP65 protection standard. Furthermore, the watchdog timer and power management features make the system secure and stable. The onboard hardware monitoring feature provides an automatic protection function, which prevents the CPU from becoming overheated.

Expansion

To extend functionality, the PPC-125T is designed with either one expansion slot for PCI card or PCIe card and six USB 2.0 (Universal Serial Bus) ports. With these expansion capabilities, the PPC-125T not only functions as an HMI, but also as a computing center on which to build your applications.

Easy Maintenance

Maintaining and replacing the LCD and touchscreen are made easier through the PPC-125T modular design. In order to replace a defective LCD or touchscreen, one merely needs to remove the front cover and LCD bracket instead of disassembling the entire system.

PPC-157T

15" Panel PC with Intel® Core™2 Duo Processor



Features

- Intel® Core™2 Duo processor up to 2.16 GHz
- System memory up to 4 GB 667 MHz DDR2 SODIMM socket x 2
- One PCIe Expansion Slot (PCI is available as an option)
- One Mini PCI socket, One Mini PCIe socket
- Built-in CF card interface (IDE interface for OS booting)
- Dual Gigabit Ethernet ports supporting LAN teaming
- One RS-232/ GPIO (8 channels, TTL level); (by swapping pin header)
- One RS-232/422/485; (supporting Auto-flow control, selecting by BIOS)



Introduction

The PPC-157T is an Intel Core 2 Duo based Panel PC with 15" color TFT LCD. It features multimedia devices, various connectors, and can be installed in virtually any application. In addition, its user-friendly interface makes it a great host for information appliances. Four serial ports and two Gigabit Ethernet ports give the PPC-157T advanced networking capabilities, and provide a great solution for versatile applications.

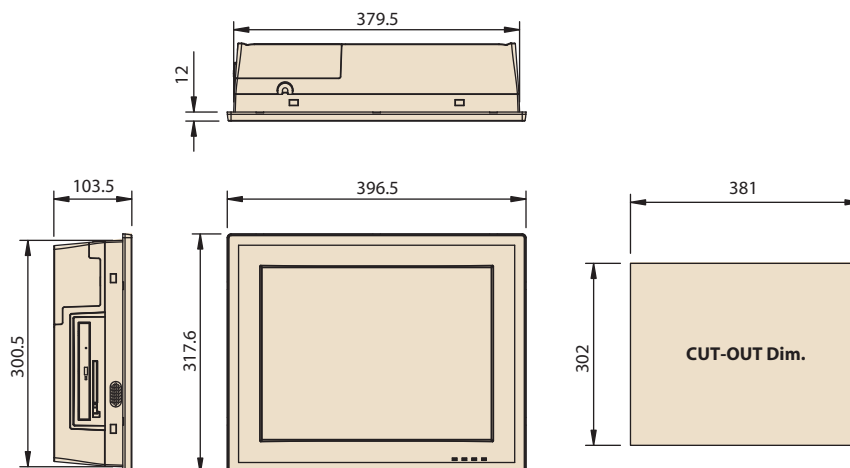
Specifications

Processor System	CPU	Supports mSocket 478 based Core 2 Duo up to 2.16 GHz
	CPU FSB	533/667 MHz
	Chipset	945GME + ICH7M
	Disk Drive Housing	Room for 1 x 2.5" SATA HDD
	Dimensions (W x H x D)	396.5 x 317.6 x 103.5 mm (15.6" x 12.5 x 4.08")
	Weight	6 kg (13.22lb)
	Front Panel Protection	IP65 compliant
	HDD	SATA HDD interface (2.5" HDD bay)
	DVD+/-RW Drive	Optional SATA 8X or above DVD+/-RW Drive, Optional optical drive bay
	Memory	Supports up to 4 GB of 667 MHz DDR2 SODIMM system memory (socket x 2)
I/O Ports	Network (LAN)	2 x Gigabit Ethernet ports, Wake on LAN, boot from LAN and LAN teaming supported
	I/O Ports	- 4 x COM ports: 2 x RS-232, 1 x RS-232/422/485, - 2 x Gigabit Ethernet ports
		1 x RS-232/ GPIO (8 channels, TTL level)* - 1 x D-SUB VGA port
		- 4 x USB 2.0 ports - 1 x PS/2 mouse and keyboard interface
		- Mic in/ Line out / Line in, 1W speaker - 2 x IEEE 1394 ports (optional)
Environmental Specifications	* RS-232/422/485 - selecting by BIOS and supporting Auto-flow control RS-232/GPIO - by swapping pin header	
	Bus Expansion	1 x PCI-e Expansion Slot (PCI is available as an option), 1 x Mini PCI socket, 1 x Mini PCI-e socket
	Operating Temperature	0 ~ 50° C (32 ~ 122° F)
	Relative Humidity	10 ~ 95% @ 40° C non-condensing
	Shock	10 G peak acceleration (11 msec. duration)
	EMC	BSMI, CE, FCC Class B, CCC
Power Supply	AC Model	Safety CB, CE, UL
		Output Rating 150 W (max.)
		Input Voltage 100 ~ 240 V _{AC} , 50 ~ 60 Hz, 2 ~ 4 A
		Output Voltage +3.3 V @ 4.5 A, +5 V @ 8.5 A, +12 V @ 7.0 A, +5 Vsb @ 1.5 A, -12 V @ 0.3 A
LCD Display	Display Type	Color TFT LCD
	Size (Diagonal)	15"
	Max. Resolution	1024 x 768
	Max. Colors or Grayscales	262K
	Pixel Pitch (mm)	0.297 x 0.297
	Luminance (cd/m ²)	350
	Contrast Ratio	400:1
	Viewing Angle	80° (left), 80° (right), 70° (up), 60° (down)
	Operating Temperature	0 ~ +50° C
Touchscreen (optional)	LCD MTBF	50,000 hrs
	Type	5-wire Analog Resistive (USB interface)

PPC-157T

Dimensions

Unit: mm



Ordering Information

Part No.	Description
PPC-157T-BAREE	15" C2D Based PPC without T/S
PPC-157T-BARE-TE	15" C2D Based PPC with Resistive T/S
PPC-155T STAND	Stand kit for PPC-155/157/175/177 series
PPC-ARM-A03	PPC ARM VESA Standard
PPC-174T-WL-MTE	Wall mount kit for PPC series
1702002605	Power cord 90D 220V EUROPEAN 250V/6A, 1.8M
1702002600	Power cord UL/CSA (USA) 180D 125V/10A 1.83M
989K017700E	Optical disc drive kit for PPC-157/177 (W/O ODD)
989K017702E	DVD-RW (SATA) module for PPC-157/177
989K070601E	PCI riser card for PPC-157/177
989KP15503E	Purchase 802.11a/b/g Mini-PCI Wireless Module for PPC-157/177

Feature Details

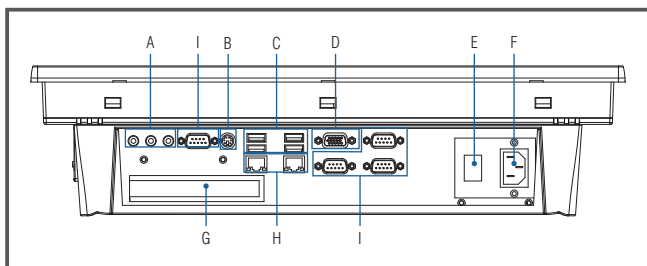
Protection

To meet the requirements of a public environment, the front panel PPC-157T complies with the IP65 protection standard. Furthermore, the watchdog timer and power management features make the system secure and stable. The onboard hardware monitoring feature provides an automatic protection function, which prevents the CPU from becoming overheated.

Expansion

To extend functionality, the PPC-157T is designed with one PCI-e expansion Slot (PCI is available as option) and Four USB 2.0 (Universal Serial Bus) ports. With these expansion capabilities, the PPC-157T not only functions as an HMI, but also as a computing center on which to build your applications.

I/O Appearance



A: Line in/Line out/Mic in
 B: PS2 Mouse & Keyboard
 C: USB 2.0 x 4
 D: VGA Port
 E: Power Switch

F: AC Inlet
 G: PCI Slot x 1
 H: 10/100/1000 Base-T Ethernet x 2
 I: RS-232 x 3, RS-232/422/485 x 1

Easy Maintenance

Maintaining and replacing the LCD and touchscreen are made easier through the PPC-157T modular design. In order to replace a defective LCD or touchscreen, one merely needs to remove the front cover and LCD bracket instead of disassembling the entire system.

PPC-174T

17" Panel PC with Intel® Pentium® 4 Processor



Features

- 17" TFT SXGA LCD
- Intel® Pentium® 4 CPU up to 3.06 GHz
- System memory up to 2 GB DDR SDRAM
- Built-in CD-ROM drive/speakers
- Rugged die-cast aluminum housing with removable plastic front bezel
- Removable 3.5" HDD bay, 2.5" SATA HDD is available, but converter board needed
- Resistive, capacitive, SAW and infrared touchscreens are available

Introduction

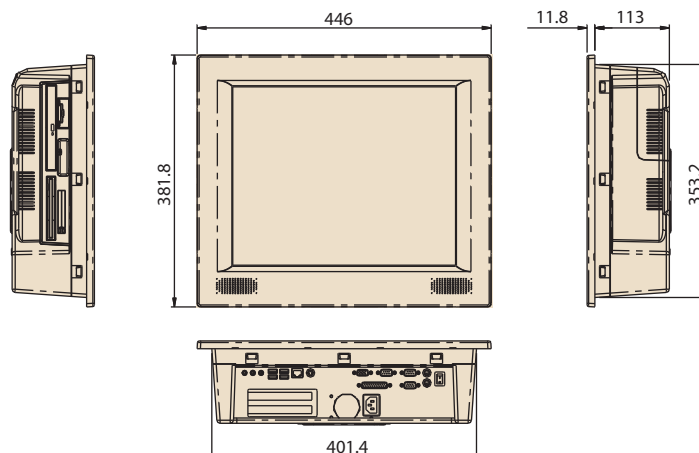
PPC-174T is a top performing and highly expandable panel PC. Equipped with a 17" Color TFT LCD, it features high performance, multimedia devices, connectors, and 2 PCI sockets for high expansion capacity. Because of its multifunctional design, the PPC-174T meets demands from multimedia applications and interactive kiosks that require big displays and more powerful computing performance.

Specifications

Processor System	CPU	Supports Socket 478 based Pentium 4 CPU up to 3.06 GHz
	Disk Drive Housing	Removable 3.5" HDD bay, 2.5" SATA HDD is available, but converter board needed
	Dimensions (W x H x D)	446 x 382 x 127 mm (17.56" x 15.04" x 5")
	Weight	10 kg (22 lb)
	Front Panel Protection	IP65/NEMA 4 compliant (not for SAW model)
	HDD	Uses 4-pin jumper with HDD IDE board
	CD-ROM Drive (Default)	Compact 24X or above, Built-in 1 x 24X slim type CD-ROM
	DVD+/-RW Drive (optional)	Optional 8X or above (IDE slim type)
	Combo Drive (Optional)	Optional DVD/CD-RW 8D/24W/24E/24R or above (IDE slim type)
	Memory	Supports up to 2 GB DDR 333 SDRAM (184-pin)
I/O ports	Network (LAN)	10/100 Mbps Ethernet interface (Gigabit optional)
		- 3 x serial ports: 2 x RS-232, 1 x RS-232/422/485
		- Parallel ports: 4 x USB 2.0 port
		- 2 x PCMCIA Type II
Environmental Specifications		- PS/2 mouse and keyboard interface
		- Mic-in, Line-in, Line-out, and game ports
		- S-Video port
	Bus Expansion	2 x PCI expansion slots, 1 x Mini PCI card
	Operating Temperature	0 ~ 45° C (32 ~ 113° F)
	Relative Humidity	10 ~ 95% @ 40° C, non-condensing
Touchscreen (Optional)	Shock	10 G peak acceleration (11 msec. duration)
	EMC	BSMI, VCCI, CE, FCC Class B, CCC
	Safety	CB, CE, UL
	Types	Analog Resistive
	Resolution	2048 x 2048
	Light Transmission	75%
LCD Display	Controller	RS-232 interface
	Power Consumption	+5 V @ 200 mA
	Software Driver	Supports both DOS and Windows
	Display Type	Color TFT LCD
	Size (Diagonal)	17"
	Max. Resolution	1280 x 1024
	Max. Colors or Grayscales	16.7M
	Pixel Pitch (mm)	0.264 x 0.264
	Luminance (cd/m2)	300
	Contrast Ratio	800:1
	Viewing Angle	80° (left), 80° (right), 80° (up), 80° (down)
	Operating Temperature	0 ~ 50° C
	VR Controls	Brightness
	Simultaneous Mode	Yes
Power Supply	LCD MTBF	50,000 hrs
	Output Rating	180 W (max.)
	Input Voltage	100 ~ 240 VAC @ 50 ~ 60Hz
	Output Voltage	+3.3 V @ 16.8 A, +5 V @ 12 A, +12 V @ 10 A, -12 V @ 0.8 A, +5 Vsb @ 2 A

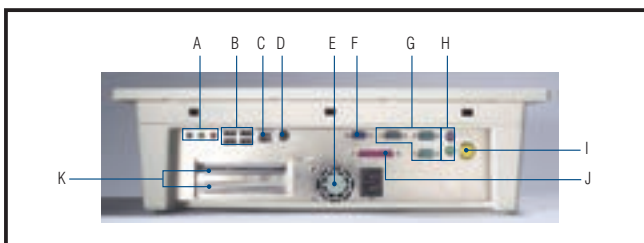
PPC-174T**Dimensions**

Unit: mm

**Ordering Information**

Part No.	Description
PPC-174T-BAREE	Panel PC with 17" TFT LCD display (resolution: 1280 x 1024)
PPC-174T-BARE-TE	PPC-174T with resistive touchscreen
PPC-174 Stand	Stand kit for PPC series
PPC-174T-WL-MTE	Wall mount kit for PPC series
PPC-174 RACK-MT	19" Rack Mounting kit for PPC-174 (9U)
1702002600	Power Cable UL/CSA (USA) 180D 125V10A 1.83M
1702002605	Power Cable 90D 220V EUROPEAN 250V/6A 1.8M
989K017401E	2.5" SATA HDD DRAWER FOR PPC-174T

* Intel Pentium 4 CPU, DDR SDRAM and 3.5" HDD are available as optional items.

I/O Appearance

- A. Line-in/Line-out/Mic-in
- B. USB 2.0 x 4
- C. 10/100 Ethernet (Gigabit optional)
- D. S-Video
- E. ATX power supply
- F. VGA port

- G. COM port x 3
- H. PS/2 mouse & keyboard
- I. Power switch
- J. Parallel port
- K. PCI slot x 2

Feature Details**Protection**

The PPC-174T is robust enough to withstand harsh environments on factory floors and in an external environment. The die-cast housing also acts as a heat sink to prevent the system from overheating.

Networking

Three serial ports and a 10/100 Mbps Ethernet port (Gigabit optional) give the PPC-174T advanced networking capabilities and provide the best solution for versatile applications.

Expansion

To extend its functionality, the PPC-174T is designed with two expansion slots for PCI cards, one Mini PCI slot, four USB 2.0 (Universal Serial Bus) ports, and one S-Video port, a 6-in-1 cardreader interface, and one PCMCIA card bus (Type II x 2). With these expansion capabilities, the PPC-174T not only functions as an HMI, but also as a computing center around which to build your application.

Removable 3.5" HDD Bay

A 3.5" HDD is more reliable and cost-effective than a 2.5" HDD. The PPC-174T's 3.5" removable HDD drive bay provides great performance, and can be easily maintained.

Touchscreen Options

Customers can choose from three optional types of standardized touchscreens: resistive, capacitive and SAW (Surface Acoustic Wave). These options make the PPC-174T a more user-friendly interface for different environments.

**Removable 3.5" HDD Bay**

PPC-177T

17" Panel PC with Intel® Core™2 Duo Processor



Features

- Intel® Core™2 Duo processor up to 2.16 GHz
- System memory up to 4 GB 667 MHz DDR2 SODIMM socket x 2
- One PCIe Expansion Slot (PCI is available as an option)
- One Mini PCI socket, One Mini PCIe socket
- Built-in CF card interface (IDE interface for OS booting)
- Dual Gigabit Ethernet ports supports LAN teaming
- One RS-232/ GPIO (8 channels, TTL level); (by swapping pin header)
- One RS-232/422/485; (supporting Auto-flow control, selecting by BIOS)



Introduction

The PPC-177T is an Intel® Core 2 Duo based Panel PC with 17" color TFT LCD. It features multimedia devices, various connectors, and can be installed in virtually any application. In addition, its user-friendly interface makes it a great host for information appliances. Four serial ports and two Gigabit Ethernet ports give the PPC-177T advanced networking capabilities, and provide a great solution for versatile applications.

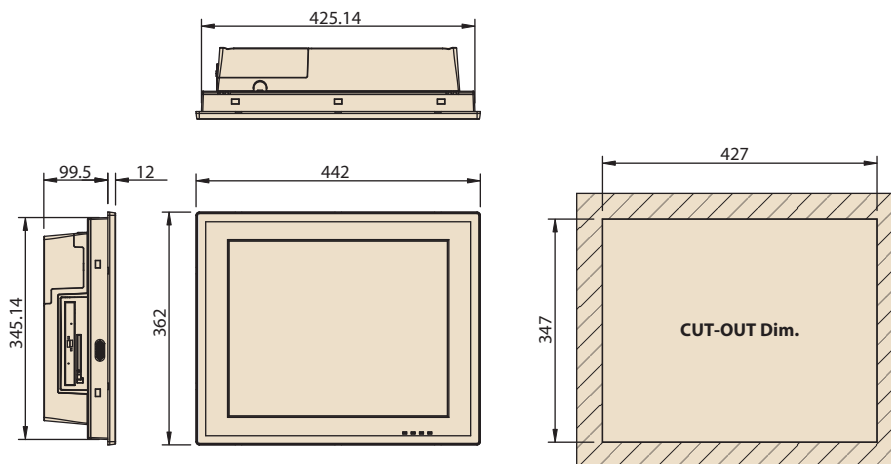
Specifications

Processor System	CPU	Supports mSocket 478 based Core 2 Duo up to 2.16 GHz
	CPU FSB	533/667 MHz
	Chipset	945GME + ICH7M
	Disk Drive Housing	Room for 1 x 2.5" SATA HDD
	Dimensions (W x H x D)	442 x 362 x 111.5mm (17.4" x 14.25" x 4.39")
	Weight	7.6 kg (16.74 lb)
	Front Panel Protection	IP65 compliant
	HDD	SATA HDD interface (2.5" HDD bay)
	DVD+/-RW Drive	Optional SATA 8X or above DVD+/-RW Drive, Optional optical drive bay
	Memory	Supports up to 4 GB of 667 MHz DDR2 SODIMM system memory (socket x 2)
I/O Ports	Network (LAN)	2 x Gigabit Ethernet ports, Wake on LAN, boot from LAN and LAN teaming supported
	I/O Ports	- 4 x COM ports: 2 x RS-232, 1 x RS-232/422/485, - 2 x Gigabit Ethernet ports
		1 x RS-232/ GPIO (8 channels, TTL level)* - 1 x D-SUB VGA port
		- 4 x USB 2.0 ports - 1 x PS/2 mouse and keyboard interface
Environmental Specifications	* RS-232/422/485 - selecting by BIOS and supporting Auto-flow control RS-232/GPIO - by swapping pin header	
	Bus Expansion	1 x PCIe Expansion Slot (PCI is available as option), 1 x Mini PCI socket, 1 x Mini PCI-e socket
	Operating Temperature	0 ~ 50° C (32 ~ 122° F)
	Relative Humidity	10 ~ 95% @ 40° C non-condensing
	Shock	10 G peak acceleration (11 msec. duration)
Power Supply	EMC	BSMI, CE, FCC Class B, CCC
	Safety	CB, CE, UL
	Output Rating	150 W (max.)
	Input Voltage	100 ~ 240 V _{AC} , 50 ~ 60 Hz, 2 ~ 4 A
LCD Display	Output Voltage	+3.3 V @ 4.5 A, +5 V @ 8.5 A, +12 V @ 7.0 A, +5 V _{sb} @ 1.5 A, -12 V @ 0.3 A
	Display Type	Color TFT LCD
	Size (Diagonal)	17"
	Max. Resolution	1280 x 1024
	Max. Colors or Grayscale	16.7M
	Pixel Pitch (mm)	0.264 x 0.264
	Luminance (cd/m ²)	380
	Contrast Ratio	800:1
	Viewing Angle	80° (left), 80° (right), 80° (up), 80° (down)
	Operating Temperature	0 ~ +50° C
Touchscreen (optional)	LCD MTBF	50,000 hrs
	Type	5-wire Analog Resistive (USB interface)

PPC-177T

Dimensions

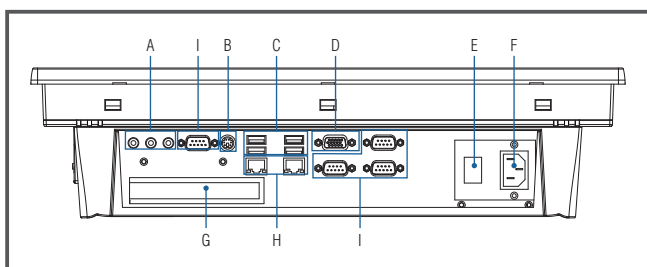
Unit: mm



Ordering Information

Part No.	Description
PPC-177T-BAREE	17" Core 2 Duo Based Panel PC without T/S
PPC-177T-BARE-TE	17" Core 2 Duo Based Panel PC with Resistive T/S
PPC-155T STAND	Stand kit for PPC-155/157/175/177 series
PPC-ARM-A03	PPC ARM VESA Standard
PPC-174T-WL-MTE	Wall mount kit for PPC series
PPC-175 RACK-MT	Rack mount kit for PPC-175/177 series
1702002605	Power cord 90D 220V EUROPEAN 250V/6A, 1.8M
1702002600	Power cord UL/CSA (USA) 180D 125V/10A 1.83M
989K017700E	Optical disc drive kit for PPC-177T (W/O ODD)
989K017702E	DVD-RW (SATA) module for PPC-177T
989K070601E	PCI riser card for PPC-177T
989KP15503E	Purchase 802.11a/b/g Mini-PCI Wireless Module for PPC-157/177

I/O Appearance



A: Line in/Line out/Mic in
 B: PS2 Mouse & Keyboard
 C: USB 2.0 x 4
 D: VGA Port
 E: Power Switch

F: AC Inlet
 G: PCI Slot x 1
 H: 10/100/1000 Base-T Ethernet x 2
 I: RS-232 x 3, RS-232/422/485 x 1

Feature Details

Protection

To meet the requirements of a public environment, the front panel PPC-177T complies with the IP65 protection standard. Furthermore, the watchdog timer and power management features make the system secure and stable. The onboard hardware monitoring feature provides an automatic protection function, which prevents the CPU from becoming overheated.

Expansion

To extend functionality, the PPC-177T is designed with one PCI-e expansion Slot (PCI is available as option) and Four USB 2.0 (Universal Serial Bus) ports. With these expansion capabilities, the PPC-177T not only functions as an HMI, but also as a computing center on which to build your applications.

Easy Maintenance

Maintaining and replacing the LCD and touchscreen are made easier through the PPC-177T modular design. In order to replace a defective LCD or touchscreen, one merely needs to remove the front cover and LCD bracket instead of disassembling the entire system.

PPC-179T

17" Panel PC with Intel® Core™2 Duo Processor

NEW



Features

- 17" TFT SXGA LCD
- Intel® Core™2 Duo LGA775 Socket-based processor up to 3.0 GHz
- Supports 240-pin DDR3 1333/1066 DIMM x2 Up to 4 GB
- Rugged die-cast aluminum housing with removable plastic front bezel
- Supports One Mini PCIe socket, Dual Gigabit Ethernet
- One PCI and one PCIe expansion slot
- One RS-232/422/485; (supporting Auto-flow control, jumper-selected)

Introduction

PPC-179T is a top performing and highly expandable panel PC. Equipped with a 17" Color TFT LCD, it features high performance, multimedia devices, connectors, and 2 expansion sockets (PCI and PCIe) for high expansion capacity. Because of its multifunctional design, the PPC-179T meets demands from multimedia applications and interactive kiosks that require big displays and powerful computing performance.

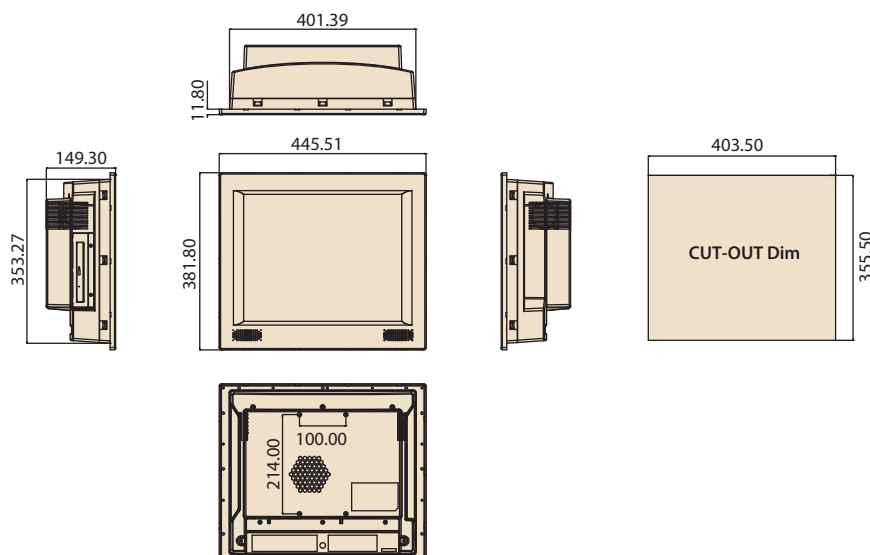
Specifications

Processor System	CPU	Supports LGA775 Socket-based Intel Core 2 Duo Processor up to 3.0 GHz
	Dimensions (W x H x D)	446 x 382 x 149 mm (17.56" x 15.04" x 5.87")
	Weight	10 kg (22 lb)
	Front Panel Protection	IP65 compliant
	HDD	One internal SATA interface - 2.5" Type
	DVD+/-RW Drive	Equipped with one slim 8x SATA DVD +/- RW (BLACK)
	Memory	Supports 240-pin DDR3 1333/1066 DIMM x2 Up to 4 GB (only supports 64X8 and 128X8, not for 256X8)
	Network (LAN)	2 x 10/100/1000 Mbps (RJ-45)
Environmental Specifications	I/O ports	- 4 x serial ports: 3 x RS-232, 1 x RS-232/422/485 - 6 x USB2.0 ports - Mic-in, Line-in, Line-out, 1W speaker - 1 x D-SUB VGA port
	Bus Expansion	1 x PCI + 1 x PCI-E through riser, 1 x Mini PCI-e socket
	Operating Temperature	0 ~ 45° C (32 ~ 113° F)
	Relative Humidity	10 ~ 95% @ 40° C, non-condensing
	Shock	10 G peak acceleration (11 msec. duration)
	EMC	BSMI, VCCI, CE, FCC Class B, CCC
	Safety	CB, CE, UL
	Types	Analog Resistive
Touchscreen (Optional)	Resolution	2048 x 2048
	Light Transmission	75%
	Controller	USB interface
	Power Consumption	+5 V @ 200 mA
	Software Driver	Supports both DOS and Windows
LCD Display	Display Type	Color TFT LCD
	Size (Diagonal)	17"
	Max. Resolution	1280 x 1024
	Max. Colors or Grayscales	16.7M
	Pixel Pitch (mm)	0.264 x 0.264
	Luminance (cd/m²)	380
	Contrast Ratio	800:1
	Viewing Angle	80° (left), 80° (right), 80° (up), 80° (down)
	Operating Temperature	0 ~ 50° C
	VR Controls	Brightness
	Simultaneous Mode	Yes
Power Supply	LCD MTBF	50,000 hrs
	Output Rating	220W (max.)
	Input Voltage	100 ~ 240 VAC @ 50 ~ 60Hz
	Output Voltage	+3.3 V @ 14.0A, +5 V @ 16.0A, +12 V @ 16 A + 10 A, -12 V @ 0.8 A, +5 Vsb @ 2.5 A

PPC-179T

Dimensions

Unit: mm



Ordering Information

Part No.	Description
PPC-179T-BAREE	Panel PC with 17" TFT LCD display (resolution: 1280 x 1024)
PPC-179T-BARE-TE	PPC-179T with resistive touchscreen
PPC-174 Stand	Stand kit for PPC series
PPC-174T-WL-MTE	Wall mount kit for PPC series
PPC-174 RACK-MT	19" Rack Mounting kit for PPC-174 (9U)
1702002600	Power Cable UL/CSA (USA) 180D 125V10A 1.83M
1702002605	Power Cable 90D 220V EUROPEAN 250V/6A 1.8M
2070010804	Image WES2009 PPC-179T V4.0 24MUI ATI PSNL

Feature Details

Protection

The PPC-179T is robust enough to withstand harsh environments on factory floors and in an external environment. The die-cast housing also acts as a heat sink to prevent the system from overheating.

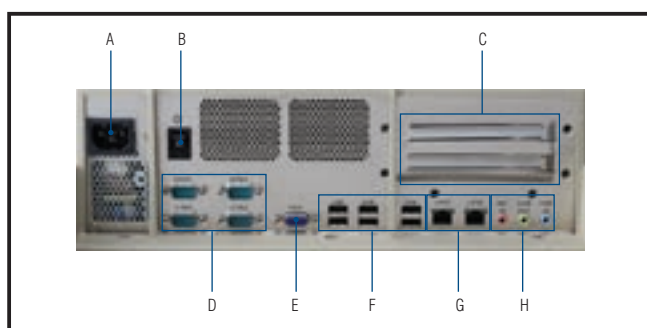
Networking

Four serial ports and dual 10/100/1000 Mbps Ethernet port give the PPC-179T advanced networking capabilities and provide the best solution for versatile applications.

Expansion

To extend its functionality, the PPC-179T is designed with two expansion slots for one PCI and one PCIe card, one Mini PCIe slot, six USB 2.0 (Universal Serial Bus) ports, four COM ports. With these expansion capabilities, the PPC-179T not only functions as an HMI, but also as a computing center around which to build your application.

I/O Appearance



- A. AC inlet
- B. Power switch
- C. PCI expansion x 1, PCIe expansion x 1
- D. RS232 x 3, RS232/422/485 x 1
- E. VGA port
- F. USB2.0 x 6
- G. 10/100/1000 Mbps Ethernet x 2
- H. Line-in/Line-out/Mic-in

Installation Accessories- Fanless Panel PC



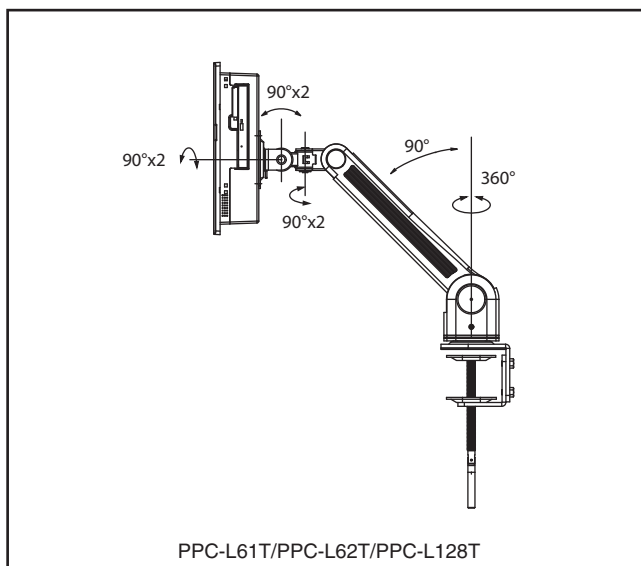
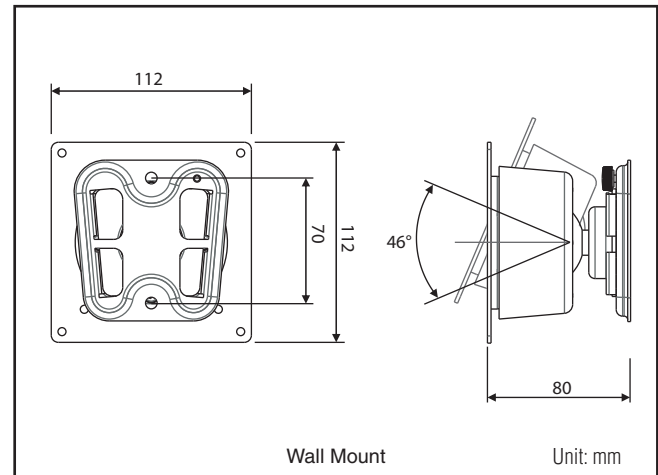
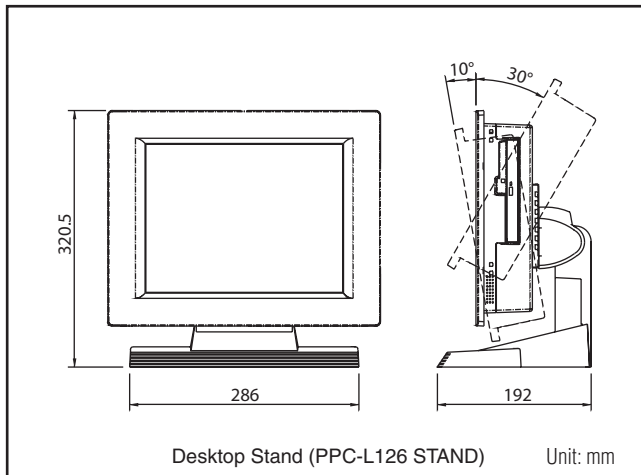
PPC-L61T/PPC-L62T/PPC-L128T

	Desktop Stand PPC-L128T	Swingarm PPC-L61T/ PPC-L62T/ PPC-L128T	Wall Mount kit PPC-L61T/ PPC-L62T/ PPC-L128T
Dimensions (mm) (W x H x D)	286 x 156 x 194	510 x 165 x 85	112 x 112 x 80
Weight (kg)	1.8	4.2	0.9
Rotation Range#	-10° ~ +30°	180°	-23° ~23° (down ~ up) 360° (rotation)
Part No.	PPC-L126 STAND	PPC-ARM-A03	PPC-174T-WL-MTE

*: Cut-out dimensions

#: "-" means panel down; "+" means panel up

Dimensions



Installation Accessories- Fanless Panel PC



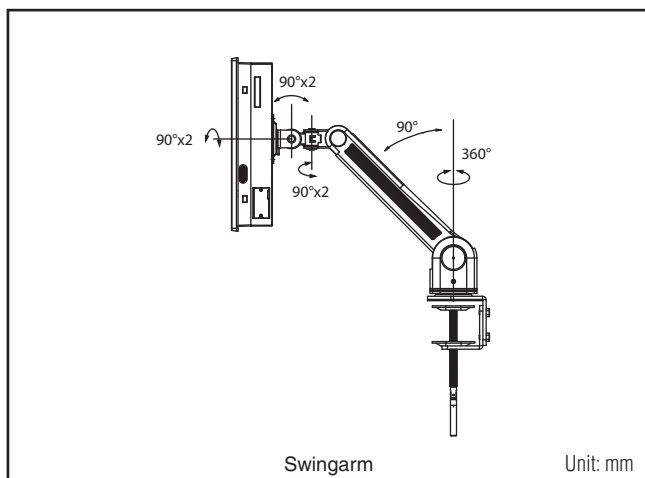
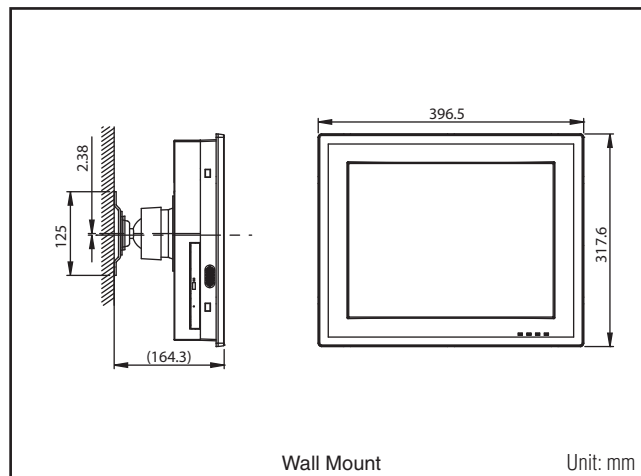
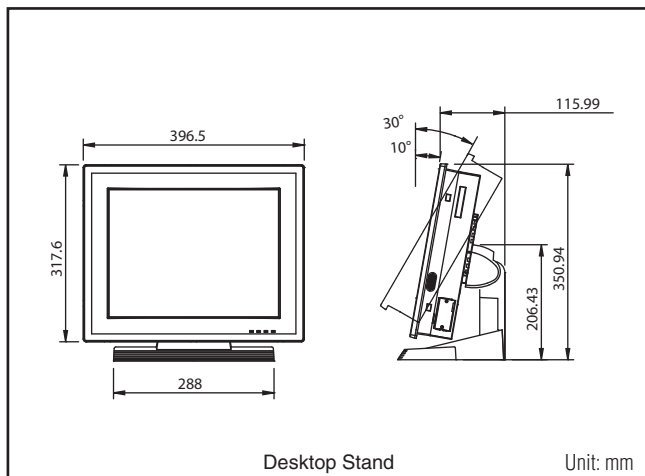
PPC-L157

	Desktop Stand	Swingarm	Wall Mount Kit	Panel Mount Kit
Dimensions (mm) (W x H x D)	286 x 156 x 194	510 x 165 x 85	120 x 153 x 73	-
Weight (kg)	1.8	4.2	1.5	0.1
Rotation Range#	-10° ~ +30°	180°	-10° ~ +25°	-
Part No.	PPC-L157-STANDE	PPC-ARM-A03	PPC-174T WL-MT	Included in standard purchase of PPC-L157T

*: Cut-out dimensions

#: "-" means panel down; "+" means panel up

Dimensions



Installation Accessories- Multi-functional Panel PC

Introduction

Advantech's Panel Computers are the most powerful all-in-one LCD computers available on the market. They have been designed to be slim and compact, to enable them to be installed into all kinds of work environments and applications. The Panel Computers can be wall mounted, panel mounted, or simply placed on a desktop with an elegant stand or a swingarm stand. Integrated mounting holes and features make any kind of mounting option very easy.

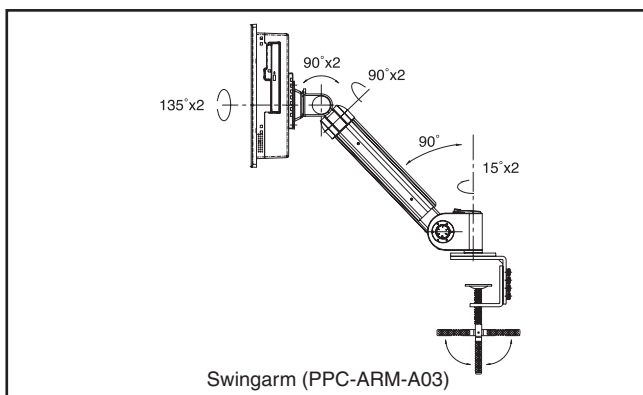
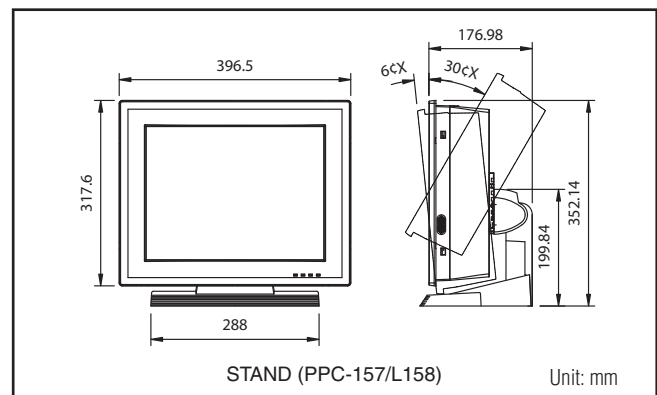
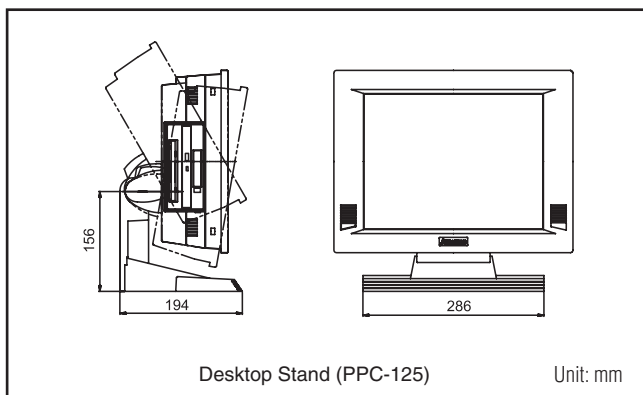
Installation Accessories – PPC-157/155/154/125 series

	Desktop Stand PPC-154/125	Desktop Stand PPC-157/L158	ARM PPC-157/L158/125	Wall Mount Kit PPC-125/157/L158 series	Panel Mount Kit	
					PPC-157/L158	PPC-125
Dimensions (mm) (W x H x D)	286 x 156 x 194		270 x 243 (W x H)	112 x 112 x 80	381 x 302	365 x 274.5*
Weight (kg)	1.8	2.0	4.3	0.9	0.1	
Rotation Range#	-10° ~ +30°	-10° ~ +30°	-10° ~ +10°	-23° ~ +23° (up-down) 360° (rotation)	-	
Part No.	PPC-125 STAND (for PPC-125)	PPC-155T STAND	PPC-ARM-03	PPC-174T-WL-MTE	included in standard purchase of PPC-155/154/125 series	

*: Cut-out dimensions

#: "-" means panel down; "+" means panel up

Dimensions



Installation Accessories- Multi-functional Panel PC

Installation Accessories – PPC-179 Series

	Desktop Stand	Swingarm	Wall Mount	Panel Mount	Rack Mount
Dimensions (mm) (W x H x D)	330 x 291 x 323	120 x 137 x 586.5	92.7 x 90 x 138.2	403.5 x 355.5*	482.6 x 399.2
Weight (KG)	6.5	7	1.05	0.1	0.95
Rotation Range	0 ~ 360	0 ~ 180	0 ~ 270	-	-
Part No.	PPC-174 STAND	PPC-174 SWINARM	PPC-174T-WL-MTE	Included in standard purchase of PPC-179	PPC-174 RACK-MT

Installation Accessories – PPC-177 Series

	Desktop Stand	Swingarm	Wall Mount	Panel Mount	Rack Mount
Dimensions (mm) (W x H x D)	330 x 291 x 323	120 x 137 x 586.5	92.7 x 90 x 138.2	427 x 347	482.6 x 399.2
Weight (KG)	6.5	7	1.05	0.1	0.95
Rotation Range	0 ~ 360	0 ~ 180	0 ~ 270	-	-
Part No.	PPC-174 STAND (large base) PPC-155 STAND (small base)	PPC-ARM-A03	PPC-174T-WL-MTE	Included in standard purchase of PPC-177	PPC-175T RACK-MT

Dimensions

