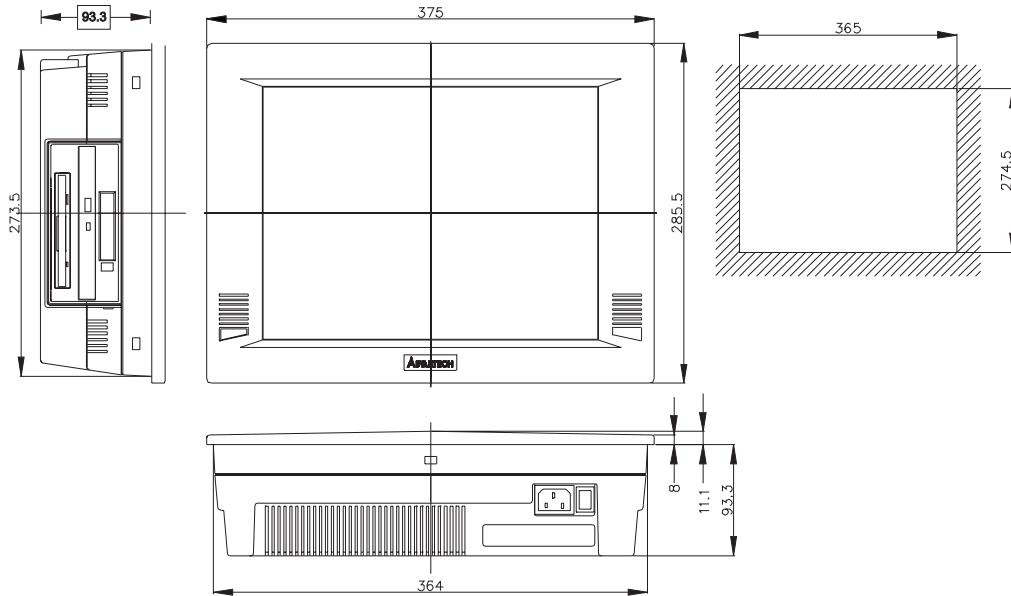# PPC-120T-CE-RT

Benefits

1. Familiar Win32, MFC and Visual Basic programming model

2. Familiar graphic user interface

3. OS image and application can be stored on a small capacity flash disk. It makes the whole system more cost effective and robust

4. Save time & money: The developer dosen't have to pay 3rd party for the low level development and integration. It saves time and money.

5. Time to market: With the kit, fast prototyping is possible. The developer can focus on the most important value - application development. It makes the products available on the market faster.

Introduction

The 12.1" Windows® CE Panel PC is a ready-to-run, Pentium® MMX based Windows® CE hardware and software platform. It comes with the pre-configured Windows® CE 3.0 OS image for the Panel PC. One doesn't need to waste time and energy on developing on-board device drivers or using Platform Builder to build a custom Windows® CE OS image for the target hardware, Advantech has done that. All the user needs to do is to develop his Windows® CE applications.

There are five easy steps to initiate and run a Windows® CE application with Advantech solution:

1. Install Microsoft Windows NT 4.0 and Service Pack 6 (or Windows 2000) on development host PC

2. Install Microsoft embedded Visual Tools 3.0 on development host PC

3. Install Advantech Platform SDK on development host PC

4. Remote connect to target Windows® CE Panel PC by Ethernet or serial port

5. Develop, test and debug the Windows® CE applications

Applications

- Human machine interface (HMI)
- Operator interface
- Point of information (POI)
- Web-based Kiosk
- Medical point-of-care (POC) solution

Specifications

LCD	Display size	12.1" TFT color LCD
	Max. resolution	800 x 600
	Max. colors	256 K
	Pixel pitch (mm)	0.31 x 0.31
	Luminance (cd/m2)	200
	Viewing angle	90 °
	Temperature	0 ~ 50 ° C
	VR controls	Brightness
	Simultaneous mode	Yes
	LCD MTBF	50,000 hours
	Backlight MTBF	20,000 hours
Touchsreen		Analog resistive
Power supply		80 W, 85 - 264 VAC inlet
CPU		Pentium 133 - 233 MMX
Memory		32 - 128 SDRAM
Floppy disk drive		1 internal 3.5" driver
Cache memory		Onboard 256 K
SSD		1 internal 2.5" IDE Flash disk 32 MB or above
I/O ports		2 COM ports, 1 parallel port, 2 USB, PS/2 mouse & KB, Mic-in, Line-in/out and game ports
Network (LAN)		10/100Base-T Ethernet
IrDA		SIR
Expansion		1 PCI/ISA slot
Dimensions (W x H x D)		375 x 285.5 x 93.3 mm (14.76" x 11.24" x 3.67")
Weight		5.2 kg (11.4 lbs)

ADVANTECH

Dimensions

375

93.3

273.5

285.5

365

274.5

8
11.1
93.3

364

Unit: mm

Advantech Enhancements for Windows® CE

With the following enhancements for the pre-configured Windows® CE image, Advantech makes Windows® CE even better!

- Persistent registry solution for x86 platform
- Application auto launch function
- Floppy drive support
- IDE hard disk and flash disk support
- Serial port driver improvement
- Parallel port driver improvement
- PS/2 mouse and keyboard mouse driver improvement

Software

- Microsoft Windows® CE 3.0 English version
- Pre-configured OS image support above devices
- Browser
- Platform SDK for Visual C++ and Visual Basic
- Manual (With step by step application programming guide)
- Sample code (Win32, MFC and Visual Basic applications)
- Test utility programs (Printer port, IrDA file transfer and others)

Ordering Information

❏ **PPC-120T-CE-RT:**

PPC-120T-EW-RT with Windows® CE 3.0
(Bare BOM: PPC-120EW-CE-T)

Note: All specifications are subject to change without notice