

PPC-3012PT

30" Touch Panel PC with TV Tuner

User's Manual

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I. INTRODUCTION

First of all, we wish to thank you for your patronage and for purchasing our product. Our products incorporate a variety of special features and advanced designs, yet we are able to offer very cost-effective products and solutions. We believe that we can provide not only the best technology and advanced products, but also the lowest cost products compared to other similar products. For a complete view of our products and solutions, please visit our website or discuss with our dealer or see the various models on this driver CD or User's manual booklet.

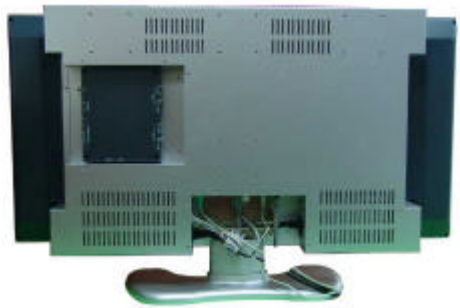
This product manual contains a variety of technical information to help you to use or install the product. The manual contains the technical specification, port connectors, diagrams of the board or unit and its various areas, jumper settings, and many other useful areas. Please refer to the manual for details about each specific product. The manual also includes some general idea about special features, software options, and some basic troubleshooting ideas to help you in these areas.

This Panel PC is widely used in all kinds of applications including Kiosk, factory automation, HMI (Human-Machine-Interface), hotel, restaurant, home, banking (e.g. ATM), 7-11, POS, POI, super markets, medical, military, food, mining, airport, school, building, vehicles, telecommunications, ... and so on. Whenever the customer has any special requirement, we are very pleased to custom design for them at a much competitive pricing and within the average 4 weeks delivery time.

We are able to custom design the all-in-one or separate Panel PC from a very small 6.4", 7", 8", 10.4", 12.1", 15", 17", 19", 20", 21", 23", 30", all the way up to the largest 40" as per the customer's required specifications including in the very cold weather and a higher temperature or in a very harsh environment with dirty, humid, full of particles in the air, etc.

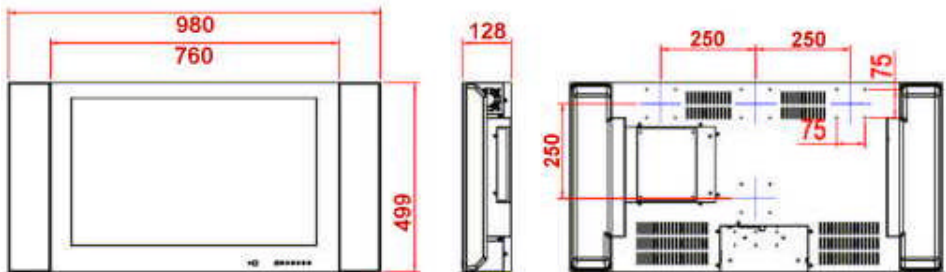
Please contact our distributors for further details.

1.2 Pictures of PPC-3012PT

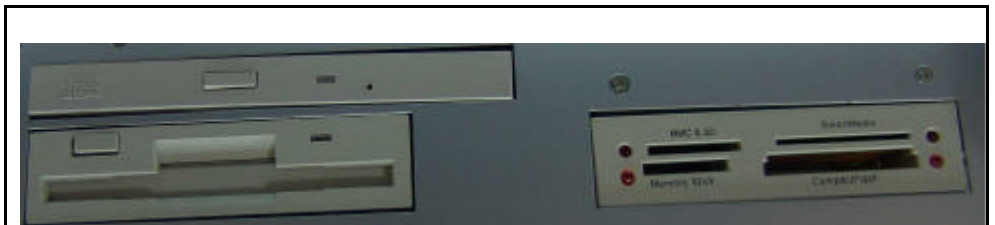


OSD buttons

1.3 Dimensions :



1.4 CD-ROM, FDD, 6-in-1 Card Reader



1.5 Specifications :

Model No.	PPC-3012PT
Housing	Made by 2.0mm rugged steel construction
IP & NEMA	Meets IP-56, NEMA -12 on front
Color	Silver color is standard. Black color is optional at your request
Wall-mount	4 x VESA-75 wall mount holes
LCD specs.	30" TFT LCD display, high bright 400 cd/m2, 500:1 contrast ratio 1280 x 768 wide screen resolution, 16.77 million colors, 50,000 hours Wide View Angle : 170 degree
Touch screen	Resistive touch screen, 2048 x 2048 resolution
Speaker	Built in 2 high output 10 watts speaker on each side
CPU Processor	INTEL CELERON 2.4 GHz CPU as standard
System RAM	Support maximum 2GB DDR RAM Standard is 512MB.
System Chipset	ATI 9200 as north bridge and SiS962L as south bridge.
HDD	Standard is 40GB HDD. 60, 80, 120, 160GB are optional for request.
VGA	Support second monitor
Video RAM	Built in 64MB RAM for 3D / 2D high speed graphics acceleration
AGP	Support 4X, 8X AGP speed
Video Memory	Support 16M, 32M, 64M share memory. Default is 32 or 64M.
Direct X	Support DirectX on versions 8.0, 8.1, and 9.0.
LAN	One 100/10 Mbps Ethernet support networking
CD-ROM	One CD-ROM , 52x Speed
FDD	One 1.44MB FDD built in
6-in-1 Card Reader	One 6-in-1 Flash Card Reader built in supporting : <ul style="list-style-type: none"> - CF card (CF-I, CF-II), - Memory Stick (MS), - SM (Smart Media), - SD (Smart Disk), - MMC - MD (Micro Drive)
TV Tuner	TV Tuner built in supporting NTSC system for U.S., Taiwan, Japan Optional PAL systems for European countries
Remote control	1 x Remote control keypad
HDTV	Support high definition TV on 480p, 480i, 720p, 1080i
USB 2.0	2 x USB 2.0
Serial port	2 x RS232 serial ports
Keyboard	1 x PS2 type keyboard port
Mouse	1 x PS2 type mouse port
Printer port	1 x LPT port for printer interface
Game port	1 x game port

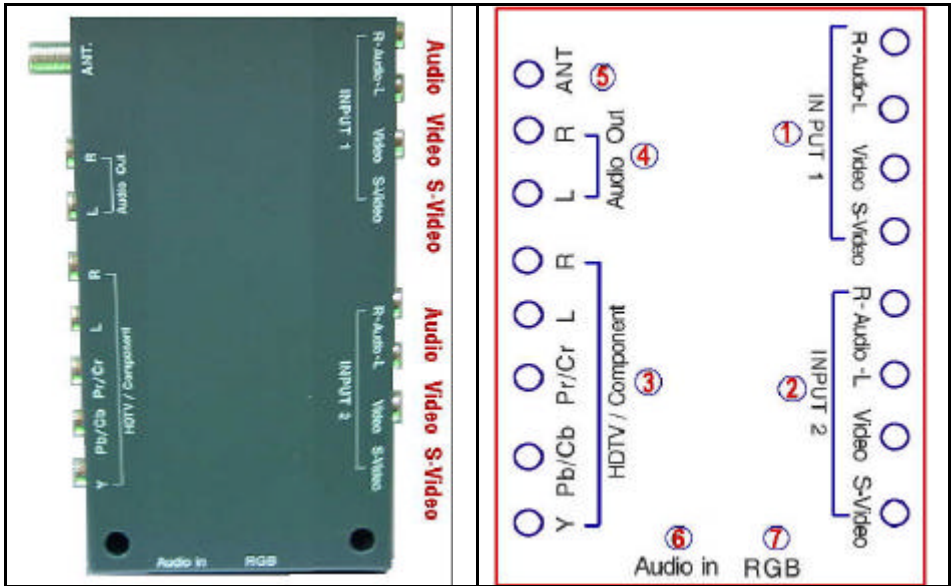
PCI expansion slot	1 x PCI slot for future expansion purpose
PCI ver. 2.2	Support PCI version 2.2
PCI IDE port	Support ATA-100 x 2 up to 4 devices
Audio jack	Support external speaker or microphone function
Vibration resistant	Meet strict vibration test from 5 – 500 Hz at 1.5G RMS under Windows XP Pro.
Shock resistant	Passed strict shock test from 10G for 11ms duration under Windows XP Pro.
Power supply	Dual power supplies supporting PC system and TV system Standard AC 100-240V power adapter.
Dimensions	See the above drawing
Operating temperature	From 0 to 40 degree C at an air ventilation area

SECTION 2 TOUCH PANEL

4 Wire analog Resistive Touch screen.

SECTION 3 TV TUNER and TV Multimedia Box

3.1 TV Multimedia Box and Its Connectors



- 1) Audio input 1, Video S-video input
- 2) Audio input 2, Video S-video input
- 3) HDTV / Component Input : for high definition TV signals
- 4) Audio Out : For external Home Theater / Audio system
- 5) ANT : Connector for TV cable / Antenna
- 6) Audio In : connects to PC for Audio output
- 7) RGB : D-Sub 15pin connect to PC

Multimedia Box Features

Audio	NICAM	
	Surround Sound	
External Connector	S-Video	2 Sets
	Composite / AV	2 Sets
	YPbPr / YCbCr	1 Set
	VGA Audio Input	1 Set
	Audio Output	1 Set

3.5 Remote Control



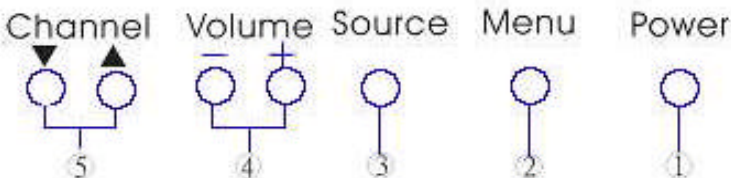
- 1) Power
- 2) Menu : To show all the functions except in AV or PC mode.
- 3) Source : Switch to TV/PC/Video mode.
- 4) Volume : Volume up (+), Volume down (-).
- 5) Channel : ? for higher frequencies, ? for lower frequencies
- 6) Adjustment keys : Using Up, Down, Left and Right to adjust functions.
- 7) Recall : Back to previous channel or last selected function from menu page.
- 8) Enter : Confirm your selections
- 9) Favorite : press **8** to memorise your favorite channels, then use **9** to select memorized favorite channels.
- 10) Sleep Timer : Setup sleep mode for auto switch off.
- 11) Main/Sub Audio : Switch to Normal sound, Surround sound or NICAM.
- 12) Mute : Press once to turn off sound, and press again to turn it back on.
- 13) Number keys : To select favorite channels instantly.
- 14) Display : To Show the current channel number and audio mode.
- 15) Memory : can set 8 favorite channels of yours.
- 16) Swap : Swap the main picture and the PIP picture
- 17) PIP : switch on / off PIP (Picture in picture) functions and 3 different PIP modes.
- 18) Mode : switch between 4:3 and 16:9 display mode

3.3 Remote Control Precaution and Usage

- ◆ Control distance would be shorter as the TV receiver facing a strong light.
- ◆ Any impact should be avoided.
- ◆ Humidity and high temperature should be avoided.
- ◆ Remove battery from Remote Control when it is not in use for a longer time.
- ◆ Transmitter should point directly to the TV receiver.

3.4 Power On/Off

Control Panel



- 1) Red light on after power cable has plugged in.

- 2) Press Power button, red light turns green. Display appears in 3 seconds.
- 3) Press Power ↑ button again to switch off TV. Green light turns red and display off.

Warning: Electrical currents may still remain in the TV after power off. Unplug the power cord if you intend not using TV for a long period.

SECTION 4 BASIC OPERATION

4.1 During Normal Operation

Press Channel **5** ? ? button to select TV channels

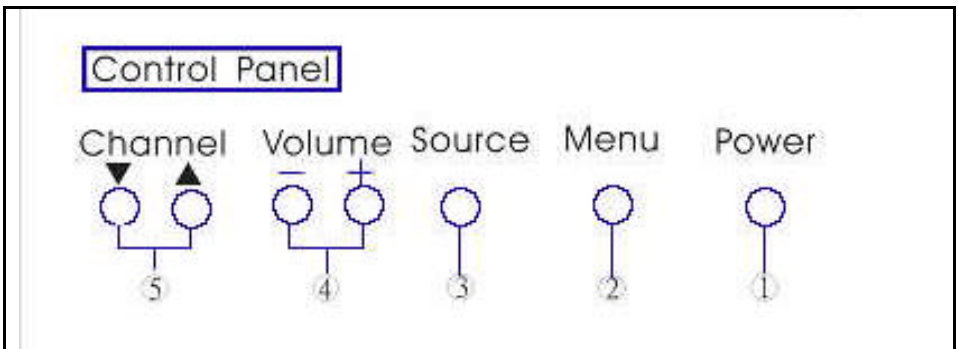
Press Volume **4** + or - button to adjust the Audio volume

4.2 In Menu Mode

1. Press Menu **2** button as ENTER / EXIT
2. Press Channel **5** ? ? button to select specific function for adjustment
3. Press Enter **8** button on the Remote Control (or Source **3** button on Control Pad) as SELECT.

Note: You will be using these buttons all the time to make any adjustment.

4.3 Select Display/Audio Source



- 1) Press Source **3** button to switching among input sources.
- 2) Displays orders: PCbCr/YPbPr ? S-Video 2 ? S-Video 1 ? Video 2 ? Video 1 ? TV ? RGB(PC mode)
- 3) Press Menu **2** button to set up TV displays, Languages and other settings ... etc

Note: The system can not display TV signal and Video1/S-Video1 signal at

the same time.

4.4 OSD Setup

Main Video Adjustment



1. Press Menu **2** button to enter menu page
2. Press Channel **5**? ? button to select specific function for adjustment
3. Press Enter **8** button on the Remote Control (or Source **3** button on Control Pad) to confirm to enter menu page. Then Select **Contrast**, **Brightness**, **Saturation**, **Hue**, **Sharpness** for further adjustments.

Example: **Contrast** Adjustment:

Press Channel **5**? ? button to select **Contrast**, then press **8** button on the Remote Control (or Source **3** button on Control Pad), then Press Channel **5**? ? button to adjust. Press Menu **2** button to return to the menu.

SECTION 5 TROUBLE SHOOTING

5.1 Trouble Shooting Checklist

No Picture & No Sound	<ul style="list-style-type: none">◆ Check whether the monitor is turned on◆ Power cord inserted into wall outlet?◆ Plug another product's power cord into the wall outlet where the monitor's power cord was plugged in.
Picture OK but No Sound	<ul style="list-style-type: none">◆ Press Volume > button◆ Sound muted? Press Mute button
The remote control doesn't work	<ul style="list-style-type: none">◆ Check if there is any obstruction between monitor and remote control◆ Check if the batteries are installed correctly◆ Check if the batteries still have power
No/Poor color or Poor Picture Quality	<ul style="list-style-type: none">◆ Adjust the color balance in menu◆ Increase the distance between monitor and other

	<p>interference</p> <ul style="list-style-type: none"> ◆ Activate any function to restore the brightness of the picture
Horizontal/Vertical Bars or picture shaking	<ul style="list-style-type: none"> ◆ Check for local interference such as an electrical appliance or power tool
Strange sound from inside the monitor	<ul style="list-style-type: none"> ◆ A change in ambient humidity or temperature may result in an unusual noise at the time of switching off or on of the monitor and does not indicate a fault with the monitor.

5.2 Specifications of TV Tuner

Model No.	PPC-3012PT
Power Supply	AC 90 – 250V / 60 Hz
Remote Control Model	R3001
Power Consumption	170 W
LCD View Area	Approximate 30 inch diagonal
Speaker Output Power	10 watts + 10 watts
VGA Input	1

Note: Manufacturer reserves the right to change / upgrade product features without prior notice.