Announcements

Tel: 886-2-2218-4567
Fax: 886-2-2218-3875
Contact the editor

Low power POS-561 Offers a Cost Effective POS Solution with Off-the-Shelf Flexibility and Long Term Support

Advantech will soon release a new POS control board (POS-561) and chassis (POS-809) that combine the fanless/low power performance of the Geode™ GX1 processor with the space savings qualities of the Flex ATX form factor. This POS control board chassis combination provides a ready-to -go POS solution that greatly simplifies system integration.

Advantech Windows® CE 3.0 Gains Market Exposure Plus Adds Two More Evaluation Kits

The Microsoft Embedded web site has an Advantech application story as their featured story (at this time). This story demonstrates many of the reasons why more customers are turning to Windows CE solutions for their embedded applications.

Advantech continues to provide new evaluation platforms and system integration services for Windows® CE solutions. Now available as the **PCA-6751CE** and the **PCM-5820CE**, these Windows CE evaluation platforms supply a complete set of components that enable rapid prototyping and development of your Windows CE projects.

EPC Rev. 1.5 CD ROM with Manual, Drivers and Utilities Now Available

The new updated CD-ROM containing EPC product manuals, drivers and utilities is now available. Usually updated about every 3 months, this newest **revision 1.5**, replaces the previous revision 1.3.

Rev 1.5 Product CD Released

Recent News

Announcements

- New Full Featured 586 Level POS Board Is Low Power Industry Leader
- New 3.5" NS Geode SBC Supports STN LCD Displays
- Advantech New Jersey, USA Office Established

Event

- Advantech Showcases Innovative Embedded Computing at Electronica 2000

Product Update

- PCA-6753F Half Size CPU Card Upgrades Geode® Processor

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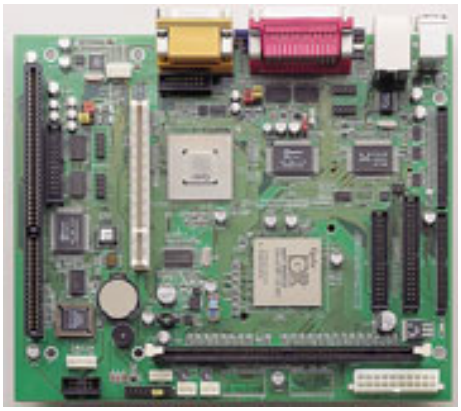
Low power POS-561 Offers a Cost Effective POS Solution with Off-the-Shelf Flexibility and Long Term Support



Advantech will soon release a new POS control board (POS-561) and chassis (POS-809) that combine the fanless/low power performance of the Geode™ GX1 processor with the space savings qualities of the Flex ATX form factor. This POS control board chassis combination provides a ready-to -go POS solution that greatly simplifies system integration.

The **POS-561** is made with industrial grade construction that can withstand 24 hour a day use in applications that would destroy conventional POS control boards manufactured to consumer specifications. This includes increased resistance to vibration, shock, humidity, moisture and heat. The low power, fanless operation of the GX1-233 processor also enables reduced heat buildup in the chassis, helping to extend the MTBF of any system the board is applied to.

Committed to POS Market Needs

POS-561 & POS-809 Point of Sale Solution

The **POS-561's** Flex ATX form factor reduces space requirements by about 32 percent over standard ATX POS control boards. This reduced size does not affect the upgradeability and expandability of the control board or the chassis. This is easily seen with the POS-561 mounted in the POS-809 chassis. The smaller, more compact chassis size still has all the standard features of a full size ATX cabinet. This is one of the primary benefits of the Flex ATX form factor. And unlike consumer grade POS board suppliers, Advantech guarantees long term support (minimum 3 years) on both the board and GX1 processor. Advantech knows this is important to POS customers, support for this year and years to come.

A Full Featured POS Solution

Other News

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The POS-561 has all the features that make it a great POS control board. It has one ISA and one PCI expansion slot, plus two digital I/Os and four serial ports each with + 5 V/+ 12 V power. Supported peripherals range from bar code scanners, card readers, printers, cash drawers, customer supplied displays and more. The POS-561 is 100% PC compatible and ready to handle any existing PC software or hardware.

Other onboard features geared toward the POS market include a watchdog timer for dependability during unmanned (remote) operations, CMOS backup to Flash ROM and an onboard CompactFlash™ socket for up to 256 MB support.

A summary of the features of the POS-561 control board are shown below.

- NS Geode GX1-233 processor on board
- Fanless operation
- Lowest power consumption in 586 processor class
- VGA/LCD controller with Universal Memory Architecture
- Supports 18 bit TFT display
- 10/100 Mbps PCI ethernet interface with WOL support
- 4 COM ports with power line support
- Digital I/Os (2 in & 2 out)
- 4 Mbps FIR
- one 168 pin DIMM SDRAM
- AC97 audio interface
- 16 MB onboard DRAM (optional)
- ATX power connector
- Socket for CompactFlash up to 256 MB
- Watchdog timer support
- 100% PC compatible and ready to handle any existing PC software or hardware

Contact Advantech Today

Contact Advantech about the POS-561 control board and POS-809 chassis, and the advantages it can offer POS applications. Pilot run production is scheduled to begin around the **end of November, 2000**. Send us an e-mail to epc@advantech.com.tw or contact your local Advantech representative to find out more.

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Advantech Windows® CE 3.0 Gains Market Exposure Plus Adds Two More Evaluation Kits

Advantech's Windows® CE 3.0 support capabilities just got some great exposure on Microsoft's Windows Embedded Family web site http://www.microsoft.com/windows/embedded/. An Advantech application story is their featured story (at this time) and demonstrates many of the reasons why more customers are turning to Windows CE solutions for their embedded applications. There is a Streaming video clip along with the story with interviews with the VP of Advantech ECG, Jeff Chen, and the Product Manager in charge of Advantech's Windows CE projects, Michael Feng. Advantech appreciates this exposure by Microsoft and a continuation of the positive working relationship we have experienced with them over the years. Advantech is also glad Microsoft recognizes Advantech's continued commitment to the Windows CE software family and how it enhances our embedded product line. To go straight to the story click here or type http://www.microsoft.com/windows/embedded/ce/guide/casestudies/advantech.asp

New Windows CE 3.0 SBC Evaluation Kits Offered

Advantech continues to provide new evaluation platforms and system integration services for Windows® CE solutions. Now available as the **PCA-6751CE** and the **PCM-5820CE**, these Windows CE evaluation platforms supply a complete set of components that enable rapid prototyping and development of your Windows CE projects. There is no need to waste time and resources on developing onboard device drivers or using the Platform Builder to create the custom Windows CE image, Advantech has done that for you. All you have to do is develop your application programming.

The PCA-6751CE-000 is a total solution low power half-size ISA-bus CPU card that comes preconfigured with a Windows CE 3.0 image with optimized drivers for the PCA-6751-F1B1 embedded CPU board. The PCM-5820CE-000 is a 3.5" single board computer preconfigured with a Windows CE 3.0 image with optimized drivers for the PCM-5820-G0B1 SBC.

Both these SBCs come with the following:

- A pre-installed custom Windows CE image on a Flash Disk
- A Windows CE license

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- Platform SDK for Visual C++ and Visual Basic
- Utility and Sample programs
- Users Manual

Why Use Windows CE on Advantech SBCs?

The combination of an Advantech SBC with a Windows CE operating system has many advantages. It is a cost effective solution that can leverage previous software and hardware experience. Windows CE utilizes proven technologies such as Win32, MFC, COM, Visual Basic and others. It is a compact and stable system that is needed for the type of applications used with.

Contact Advantech Today

Orders for the PCA-6751CE-000 and the PCM-5820CE-000 may be submitted now. You may use the following information.

PCA-6751CE-000: PCA-6751-F1B1 with Windows CE 3.0 English on 16 MB CompactFlash™ card.

PCM-5820CE-000: PCM-5820-G0B1 (GX1-300 processor) with Windows CE 3.0 English on 16 MB CompactFlash™ card.

Contact Advantech about these Windows CE solutions or any other embedded solutions today or get in touch with your local Advantech representative to find out more. You can also send us an e-mail to epc@advantech.com.tw to get more information.

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Rev 1.5 Product CD Released

Some of the new products and updates in this issue are mentioned below:

- 1.PCM-5864 manual 2nd to 3rd
- 2.PCM-9550 added audio, video in and TV in drivers. Utility update
- 3.PCM-3291 manual + .txt, utility update
- 4.WEB-2143
- 5.PCM-5820/E Bios update
- 6.Add PCA-6752 manual
- 7.PCM-5823 vga, utility and audio add Linux driver
- 8.PCM-5820/5820e/5822 and PCA-6753 vga, audio add Linux driver
- 9.PCM-5820/5820e lan driver changed to 8139C
- 10.PCM-5824
- 11.PCM-5820 manual from ed 4 to ed 5
- 12.Add PCM-9550F Manual
- 13.PCM-5820/5820e LAN change to 8139C
- 14.Add CPC-2347, 2600
- 15.PCM-3201 manual change
- 16.PCM-3601 utility upgrade

Updates also Available

A CD-ROM containing all the product information not in the standard CD or released "after the publication" of the above CD will also soon be available. These 2 CD's will hopefully provide all the necessary information needed for all current EPC products and are constantly being updated to ensure the most current information is available.

Giving Customers the Tools They Need

This new CD is available now. Advantech will distribute these through our normal channels. Contact Advantech anytime at http://www.advantech.com/support to find out more about any additional product updates as they become available. You can

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