

Announcements

[PCA-6751Z Half-size Pentium® CPU Card Now Handles -20° to 80° C Temperature Range!](#)

As you probably already know, Advantech has launched the Phoenix Operation of extreme temperature and reliability testing, and is constantly adding new products that can meet these stringent requirements. The PCA-6751Z low power Pentium® MMX™ half-size SBC is the latest product to meet this challenge.



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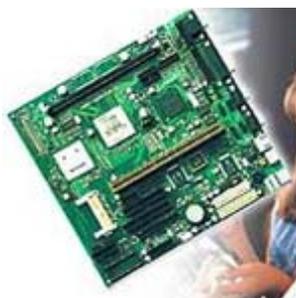
[MBPC-300 Series MicroBox PC Chassis Adds PCM-9550F](#)



The MBPC-300 MicroBox PC chassis has added the PCM-9550F to its line of 5.25" Biscuit PCs it supports. Available at the end of December 2000, the PCM-9550 SBC will bring a fast, low-power Pentium® 266 MHz processor, EBX form factor, multimedia capability and multiple digital input/outputs that make it the ideal embedded platform to offer with this MBPC-300 chassis combination.

[POS-563 Geode™ Control Board Ready to Ship!](#)

The new POS-563 Geode™ processor-based control board that offers a wide range of features perfect for the POS application market, is shipping now.



Product Update

[Dual PS2 Keyboard/mouse Connector Cable Now Standard](#)

Because of the ever increasing standardization of PS2 type keyboard/mouse connectors, ECG products, such as Slot PCs, 3.5" Biscuit PCs and PC/104, will use the new type keyboard/mouse cable (**part no. 1700060202**). We want to make all our associates aware of this ordering change.

Problems, comments, suggestions? Please contact the [editor](#)

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- [PCI-6771 Half size Biscuit SBC Now Supports Pentium® III Processors up to 850 MHz](#)
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PCA-6751Z Half-size Pentium® CPU Card Now Handles -20° to 80° C Temperature Range!

As you probably already know, Advantech has launched the [Phoenix Operation](#) of extreme temperature and reliability testing, and is constantly adding new products that can meet these stringent requirements. The PCA-6751Z low power Pentium® MMX™ half-size SBC is the latest product to meet this challenge. Choosing the products that can adhere to these standards involves a combination of factors. We will explain here what qualities and characteristics of the PCA-6751Z allow it to successfully meet these requirements (-20° C to 80° C operating range).



Typical Customers

Let us first describe the type of customers that need a "Phoenix tested" SBC for their application. Advantech has found they typically fall into two main categories:

1. Customers whose applications are truly operating in **extreme temperature environments**. These customers need the most pretesting they can get, with the added cost incurred for the testing service relatively low compared to the cost of an application failure or downtime.
2. Customers whose applications are operating in a "normal" temperature range (0° ~ 60° C), but want the **most reliable product** possible. Products that pass Phoenix testing are 100 % tested under the harshest conditions while live-running torture testing software. These products provide more reliability than "standard tested" products, mainly because the stresses the "extreme" testing puts on the system, eliminate the weaker boards.

A Proven and Reliable System

Of course, overall SBC sytem reliability depends on the individual components installed on the card. The PCA-6751Z's rock solid component set give it great performance and stability. The low power (< 2.0 V) Pentium® 266 MHz CPU is a stable and proven CPU solution. In addition to the CPU, other major components of the PCA-6751 use Intel EMD solutions. These include the 430TX system chipset and Intel 82559 10/100 Mbps Ethernet interface. Plus, the Asilant (C&T) 69000 VGA/LCD controller is another well recognized industry proven component. Unlike regular commercial solutions, Intel EMD solutions provide higher system stability and longer product supply time. So, all these factors, plus PCB quality and manufacturing, add up to give overall system performance and reliability. The PCA-6751 is a proven performer and the PCA-6751Z builds upon this legacy..

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Contact Advantech Today

Contact Advantech about the PCA-6751Z SBC and its high temperature capabilities. It is available now. Send us an e-mail to epc@advantech.com.tw or contact your local Advantech representative to find out more. Use the following ordering information below for ordering the latest release of the PCA-6751Z SBC with the Phoenix Testing option.

- **PCA-6751Z-F1B1** : PCA-6751 SBC with Phoenix Temperature Extreme Testing Certification.

Some Useful Links

Phoenix Testing News Page

http://www.advantech.com/epc/newsletter/v25-06-01_00/TCDB.htm

PCA-6751 Product Home Page

<http://www.advantech.com/products/PCA-6751.asp>

[USA Online Store Page for PCA-6751](#)

PCA-6751 product information pdf file download

<http://www.advantech.com/pdf/PCA-6751.PDF>

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Product Update

MBPC-300 Series MicroBox PC Chassis Adds PCM-9550F

The MBPC-300 MicroBox PC chassis has added the PCM-9550F to its line of 5.25" Biscuit PCs it supports. Available at the end of December 2000, the PCM-9550 SBC will bring a fast, low-power Pentium® 266 MHz processor, EBX form factor, multimedia capability and multiple digital input/outputs that make it the ideal embedded platform to offer with this MBPC-300 chassis combination.



More Flexibility and Capability

With its low power consumption (typically 3 amps at 5 volts) and fanless operation in temperatures up to 60° C (140° F), the PCM-9550F board is a quiet operator. The EBX form factor provides a high-speed PCI bus for faster data transfer needs, such as high-speed ethernet. The PCM-9550F's eight digital inputs and eight digital outputs (TTL level signals) give the MBPC-300 chassis solution new flexibility. Four COM ports w/+/- 5 V or 12 V by jumper select are also provided as well as cash drawer support. Minimum downtime associated with the well-proven processor and chipset combination make this a favorite for process control equipment that includes wallmount PC controllers, embedded PC controllers and compact industrial PCs.

The PCM-9550F also provides an array of multimedia features. These include AC97 3D surround sound, a VGA/CRT controller (C&T 69000) with built-in 2 MB memory and 36-bit LCD interface. There is also an optional C&T 69030 chip with 4 MB built-in memory plus support for dual display CRT-LCD. These capabilities are perfect for handling the high performance graphics/display capabilities being used in many of today's applications.

Availability

Available at the end of December 2000, call your local Advantech representative or contact us over the internet for pricing and product information. Feel free to contact Advantech at <http://www.advantech.com/epc> for more information on the MBPC-300 Series, the PCM-9550F or any other products. You may use the information below for ordering and obtaining product information.

- **MBPC-300-9550:** Microbox 5.25" Biscuit PC Chassis for the PCM-9550F

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POS-563 Geode™ Control Board Ready to Ship!

The new POS-563 Geode™ processor-based control board that offers a wide range of features perfect for the POS application market, is shipping now. Equipped with a Geode™ GX1-233 processor that leads the Pentium® level processor class in power usage, heat dissipation and performance, the POS-563's rugged industrial construction, full capabilities and fanless operation make it the ideal platform for POS applications. Click [here](#) to go to the full story in the November 1st issue of Embedded PC World.



http://www.advantech.com/epc/newsletter/v35-11-01_00/POS563.htm

The Right POS Solution

The POS-563 embodies qualities that distinguish it and Advantech from its competitors. The POS-563 is made with industrial grade construction that can better withstand constant 24 hour a day use, high vibration, shock, exposure to humidity, moisture and heat. The GX1-233 processor also allows for fanless operation that virtually eliminates heat buildup problems that has traditionally been the number one cause of failure in enclosed POS systems.

Contact Advantech Today

The POS-563 is ready to ship now, orders and inquiries may be submitted now using the following information:

POS-563-00A1: NS Geode LPX POS SBC w/VGA, LCD, Ethernet, SSD

POS-563F-00A1: NS Geode LPX POS SBC w/VGA, LCD, Ethernet, SSD, Audio, CFC, 16 MB DRAM on board

POS-563FC-00A1: NS Geode LPX POS SBC w/VGA, LCD, Ethernet, SSD, Audio, CFC, 16 MB DRAM on board & C&T 69000 chipset

Contact Advantech about the POS-563 or any other embedded solutions today or get in touch with your local Advantech representative. Send us an e-mail to epc@advantech.com.tw to find out more.

Some Useful Links

POS-563 Product Page

<http://www.advantech.com/products/POS-563.asp>

POS-563 Datasheet Information (pdf)

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The new type keyboard/mouse cable has two PS2 connectors which connect one mouse and one PS2 type keyboard. If customers still want to use the old type **keyboard/mouse cable (1700060201)**, it is of course, still available.

Please contact your local agent for service or to place OEM orders for the old type keyboard/mouse cable.

Updating At All Levels

Contact Advantech anytime at epc@advantech.com.tw to find out more about any additional product updates as they become available. Advantech is always there to answer your questions.

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