

Low-power, 586 level Half-size ISA SBC Gives Cost-effective Upgrade Solution

Advantech's new PCA-6753F is a full-featured half-size ISA bus SBC that offers 586 performance, fan-less operation and low power usage in a cost-saving solution. Adding value to new and existing products helps Advantech customers achieve their goals. The PCA-6753F accomplishes this by providing an on-board CPU and chipset that offer the latest features system engineers find attractive and also provides an easy and effective 486 upgrade solution.



Product Updates

[MBPC-300 MicroBox Series Adds Two New Powerful SBC Options](#)

Advantech's MBPC-300 Series 5.25" Biscuit PC chassis and power supply support two new SBCs that add increased power, offer more features and provide greater flexibility to this PC chassis line.

[PCA-6751 Series Offers New Ethernet Controllers](#)

Advantech's PCA-6751 Rev B gives new Ethernet performance options to the PCA-6751 Series SBCs. The PCA-6751-F0B1 and PCA-6751-F1B1 each employ Ethernet controllers that offer different attractive features that our customers can take advantage of.

[Up-to-Date Product Information For ECG Customers](#)

Updating product information is an ongoing process for any technology-oriented company, we feel our on-line format is the perfect medium to announce this information to our customers. The ECG group will always try to post the latest product information on this Web Site. Keeping our customers informed is important at Advantech.

Tel: 886-2-2218-4567
Fax: 886-2-2218-3875
[Contact the editor](#)

Other News

New Products

■ [Low-power, 586 level Half-size ISA SBC Gives Cost-effective Upgrade Solution](#)

Product Update

■ [MBPC-300 MicroBox Series Adds Two New Powerful SBC Options](#)
■ [PCA-6751 Series Offers New Ethernet Controllers](#)
■ [Up-to-Date Product Information For ECG Customers](#)

RECENT NEWS

[Dec'99/Jan'00](#)
[Oct/Nov 1999](#)
[Aug/Sep 1999](#)

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

[EPC World](#)

[Advantech Home](#)

[EPC Homepage](#)

[News Archive](#)

[Contact Us](#)

New Products

Low-power, 586 level Half-size ISA SBC Gives Cost-effective Upgrade Solution

Advantech's new PCA-6753F is a full-featured half-size ISA bus SBC that offers 586 performance, fan-less operation and low power usage in a cost-saving solution. Adding value to new and existing products helps Advantech customers achieve their goals. The PCA-6753F accomplishes this by providing an on-board CPU and chipset that offer the latest features system engineers find attractive and also provides an easy and effective 486 upgrade solution.



Adding Value Where it Counts

The PCA-6753F allows 486-based systems to be easily upgraded to 586-level because a NS GXM 200 MHz processor is mounted directly on board. Mounting CPUs directly on board eases the configuration process because there is no need to set jumpers for speed or voltage differences between CPUs. It also allows system integrators to keep their previous hardware investments and expand their software capabilities by offering a MMX™- enabled processor. Since the PCA-6753F's NS GXM 200 MHz low-power processor can work well in temperatures up to 60° C (140° F) without need of a fan, embedded application possibilities are greatly increased while MTBF concerns are reduced. Other on-board features include a VGA/LCD controller for simultaneous support for CRT/18-bit LCD TFT displays and a 10/100 Mbps PCI Ethernet interface. The PCA-6753F also includes a "face-up" PC/104 connector, SSD support for DOC® 2000, 1 x SDRAM socket for up to 128 MB system memory, 62-level Watchdog timer, 4 Mbit Flash BIOS that supports Plug & Play and is APM 1.2 compliant and supports Wake-up on LAN, Modem. There is also one Enhanced IDE interface that supports 2 IDE devices (UDMA33), one EPP/ECP parallel port, 2 serial ports and a PS/2 keyboard/mouse connector.

Upgrade or Innovate

The PCA-6753F is a perfect solution for system integrators wanting to upgrade their 486-based applications as well as new and stand alone SBC applications. Besides the obvious 586-level upgrade benefits, the on-board 128 MB SDRAM slot offers better performance and memory capacity at almost the same price as old 486-based EDORAM. Plus, the outstanding on-board features make the PCA-6753F a powerful SBC for a host of stand-alone applications.

Call Advantech Today

Pricing information and sample orders are available now, with regular orders available soon. We invite you to go to <http://www.advantech.com/epc> to find out more about the PCA-6753F, or any other Advantech product. Or call or visit your local Advantech sales representative to find out more.

Tel: 886-2-2218-4567
Fax: 886-2-2218-1813
[Contact the editor](#)

Other News

New Products

- [Low-power, 586 level Half-size ISA SBC Gives Cost-effective Upgrade Solution](#)

Product Update

- [MBPC-300 MicroBox Series Adds Two New Powerful SBC Options](#)
- [PCA-6751 Series Offers New Ethernet Controllers](#)
- [Up-to-Date Product Information For ECG Customers](#)

RECENT NEWS

[Dec'99/Jan'00](#)
[Oct/Nov 1999](#)
[Aug/Sep 1999](#)

[TOP](#)

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

<u>EPC World</u>	<u>Advantech Home</u>	<u>EPC Homepage</u>	<u>News Archive</u>	<u>Contact Us</u>
----------------------------------	---------------------------------------	-------------------------------------	-------------------------------------	-----------------------------------

Product Updates

MBPC-300 MicroBox Series Adds Two New Powerful SBC Options



Advantech's MBPC-300 Series 5.25" Biscuit PC chassis and power supply support two new SBCs that add increased power, offer more features and provide greater flexibility to this PC chassis line. The PCM-9570 and PCM-5864/L SBCs help round-out this chassis line and give all-in-one solutions that Advantech customers need. The MBPC-300 has always been an ideal case for system integrators implementing applications that include Wallmount PC controllers, Embedded PC controllers,

unattended controllers or compact industrial PCs.

Celeron™ and Pentium® III Support

The PCM-9570 uses Socket 370 in its design. Compared to slot 1, it is able to preserve vertical space above the board for PCI or other expansion cards. The Intel 440BX chipset can accommodate either a 66 MHz or 100 MHz Front Side Bus (FSB). This makes the board especially easy to upgrade, offering system integrators a wide array of Intel® Pentium III and Celeron™ processors to choose from. The PCM-9570 also has 10/100Base-T Ethernet for high-speed network connectivity, an on-board CompactFlash™ SSD that provides up to 128 MB of flash memory and two sockets for SODIMM RAM memory.

Audio, Video-in and TV-out

The PCM-5864 is a highly integrated Pentium® processor based SBC that combines audio, video-in and TV-out, and network functions on a SBC. It provides 32-bit full-duplex integrated 3D surround audio which complies with the AC97 standard, video capture that supports RCA connectors and S-video connectors via optional cable kit and video-out function which supports NTSC and PAL formats. The PCM-5864 also features 10/100Base-T Ethernet and supports 36-bit XGA LCD panels. The C&T69000 LCD controller includes standard 2 MB of memory. Support for a 18-bit LVDS interface is also provided, this allows for better long distance panel support with good EMI safeguards.

Dependability not Sacrificed

These two new boards give the MBPC-300 series powerful new options that represent the latest features system integrators need. Whether its the PCM-9570 with its upgrade flexibility and Socket 370 design, or the PCM-5864 with its multimedia capabilities that can handle today's most intensive industrial or embedded graphic and data applications, both offer strong features. However, these added features and increased performance have not sacrificed the ruggedness and dependability that is a trademark of any Advantech chassis, board or peripheral.

Call Advantech Today

Tel: 886-2-2218-4567

Fax: 886-2-2218-1813

[Contact the editor](#)

Other News

New Products

- [Low-power, 586 level Half-size ISA SBC Gives Cost-effective Upgrade Solution](#)

Product Update

- [MBPC-300 MicroBox Series Adds Two New Powerful SBC Options](#)
- [PCA-6751 Series Offers New Ethernet Controllers](#)
- [Up-to-Date Product Information For ECG Customers](#)

RECENT NEWS

[Dec'99/Jan'00](#)[Oct/Nov 1999](#)[Aug/Sep 1999](#)

Pricing information and sample orders are available now, while regular orders can be placed with any Advantech representative. We invite you to go to <http://www.advantech.com/epc> to find out more about the MBPC-300 MicroBox Series, the PCM-9570 and PCM-5864 SBCs, or any other Advantech product. Or call or visit your local Advantech sales representative to find out more.

[TOP](#)

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

EPC World	Advantech Home	EPC Homepage	News Archive	Contact Us
---------------------------	--------------------------------	------------------------------	------------------------------	----------------------------

Product Updates

PCA-6751 Series Offers New Ethernet Controllers

Applying new technology to existing products is always challenging, but when our customers benefit from these advances, it strengthens Advantech's "customer centered" approach. Advantech's PCA-6751 Rev B gives new Ethernet performance options to the PCA-6751 Series SBCs. The PCA-6751-F0B1 and PCA-6751-F1B1 each employ Ethernet controllers that offer different attractive features that our customers can take advantage of.



Cost Saving Performance Increase

The PCA-6751-F0B1 is a half-size Pentium® CPU card with 266 MHz CPU, VGA, LCD, SSD and RTL8139B Ethernet. The Realtek RTL8139 Ethernet controller is a highly integrated, cost-effective, single-chip 32-bit controller. It has been widely used on other Advantech SBCs (as well as by other manufacturers) and is a proven, high-performance on-board Ethernet controller. The RTL 8139B is one of the industry's most economical solutions that provides 100Base-T performance, built-in power management and full driver support and security, all in one package.

Supercharged Ethernet Controller

The PCA-6751-F1B1 SBC is identical to the PCA-6751-F0B1, except that it offers the impressive Intel® 82559 Ethernet controller instead of the RTL8139B or Intel® 82558 (used in Rev A). The Intel® 82559 controller is a true next-generation product. It is the industry's first fully-integrated fast ethernet cross-platform solution that is faster, smaller and more simple to use than all its predecessors and competitors. It provides integrated next-generation Alert on LAN management capabilities. It also gives a significant decrease in power consumption while providing faster network capability. The Intel® 82559 controller simplifies network management by allowing developers to use the same software drivers across all platforms. The Intel 82559's Driver is also compatible with the Intel 82558, and both are Microsoft Certified and offer Intel EMD support. Intel EMD products typically have a life cycle of 5 years. This long term support is especially important to our customers. There are many other features that are attractive for industrial and embedded applications. All these benefits result in easier network management and reduced complexity for end users.

Giving Customers Choices

Advantech applies the latest technology to our products, enabling our customers to make product choices that fit them best. The PCA-6751 gives our customers choices. Call us for more information about this and other products Advantech has to offer. You can also visit our web site at <http://www.advantech.com/epc>.

PCA-6751 Series' models comparison

Tel: 886-2-2218-4567
Fax: 886-2-2218-1813
[Contact the editor](#)

Other News

New Products

- [Low-power, 586 level Half-size ISA SBC Gives Cost-effective Upgrade Solution](#)

Product Update

- [MBPC-300 MicroBox Series Adds Two New Powerful SBC Options](#)
- [PCA-6751 Series Offers New Ethernet Controllers](#)
- [Up-to-Date Product Information For ECG Customers](#)

RECENT NEWS

[Dec'99/Jan'00](#)
[Oct/Nov 1999](#)
[Aug/Sep 1999](#)

Model Name	Brief Description	A1 Version	B1 Version
PCA-6751	All-in-one With CPU,LAN,VGA,LCD and SSD	PCA-6751-F0A1(With Intel ®82558 LAN, 266 MHz CPU) PCA-6751-A0A1(With Intel ®82558 LAN, 166 MHz CPU)	PCA-6751-F1B1(With Intel ®82559 LAN, 266 MHz CPU) PCA-6751-F0B1(With RTL 8139 LAN, 266 MHz CPU)
PCA-6751V	Without LAN	PCA-6751V-F0A1 (OEM only)	-
PCA-6751L	Lite With VGA,LCD,LAN		PCA-6751L-F0B1 (With 266 MHz CPU)

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

EPC World	Advantech Home	EPC Homepage	News Archive	Contact Us
---------------------------	--------------------------------	------------------------------	------------------------------	----------------------------

Product Updates

Up-to-Date Product Information For ECG Customers

Updating product information is an ongoing process for any technology-oriented company, we feel our on-line format is the perfect medium to announce this information to our customers. The ECG group will always try to post the latest product information on this Web Site. Keeping our customers informed is important at Advantech.

Product Updates Benefit Customers

The MBPC-200 Series/PS-50A/PS-25D has replaced the MBPC-201 MicroBox 3.5" Biscuit PC Chassis. The PS-25D 25W DC-DC power supply previously used exclusively by the MBPC-201 is now being offered as a power supply option in the MBPC-200 Series, giving it AC-DC or DC-DC capability. The MBPC-200 Series also provides new board options (PCM-5820/L) that add powerful new features to this chassis line. This chassis series continues to offer preinstalled bundled Windows® CE and drivers on selected boards to provide a "total solution" option to users who prefer it.

Advantech's PCM-5862E/L Increases SBC Power

The PCM-5862E/L Rev A Pentium® MMX SBC has replaced previous PCM-5862 products (please refer to Table). Improvements with the Ethernet interface and power supply have increased the speed and efficiency of this already powerful Single Board Computer. The PCM-5862E/L now offers a 10/100Base-T Ethernet interface (previously 10Base-T) that can handle the most demanding network requirements. A new switching power supply has replaced the previously used Linear power supply to give noticable improvements in power consumption with decreased heat dissipation. These particular upgrades have been accomplished with hardly an increase in the product prices. Once again, passing-on savings to our customers is a way Advantech adds value to our product lines, it also helps to increase our competitiveness.

These Product announcements are summarized in the table below. These dates could be subject to change, please check with your local Advantech sales representative or e-mail us at epc@advantech.com.tw to find out more about the products you are interested in.

Tel: 886-2-2218-4567

Fax: 886-2-2218-1813

[Contact the editor](#)

Other News

New Products

- [Low-power, 586 level Half-size ISA SBC Gives Cost-effective Upgrade Solution](#)

Product Update

- [MBPC-300 MicroBox Series Adds Two New Powerful SBC Options](#)
- [PCA-6751 Series Offers New Ethernet Controllers](#)
- [Up-to-Date Product Information For ECG Customers](#)

RECENT NEWS

[Dec'99/Jan'00](#)[Oct/Nov 1999](#)[Aug/Sep 1999](#)

Important ECG Product Order/Availability Schedule			
Phased -Out Product	Last Buy Date	Last Shipment Date	Replacement Product
MB PC-201	03/15/00	04/15/00	MB PC-200 Series
PCM-5862-00 B1	06/15/00	07/15/00	PCM-5862E-00A1
PCM-5862-02 B1	06/15/00	07/15/00	PCM-5862E-02A1
PCM-5862L-0001	06/15/00	07/15/00	PCM-5820EL-00A1
PCM-5862L-00B1	06/15/00	07/15/00	PCM-5862EL-00A1 , PCM-5864L-00A1
PCM-5862L-02B1	06/15/00	07/15/00	PCM-5862EL-02A1

[TOP](#)

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

EPC World	Advantech Home	EPC Homepage	News Archive	Contact Us
---------------------------	--------------------------------	------------------------------	------------------------------	----------------------------