

## New Products

### [New Ultra Small MicroBox PC Provides Tough and Compact Computing Power](#)

The new MBPC-140 PC with chassis is now available from Advantech. It is a rugged and complete PC solution that offers easy integration for end users as well as flexibility and versatility for ODM customers. The MBPC-140 is an extremely compact and solid PC based controller ready to be used in a variety of ways.



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### [New and Improved PCD-1244H Standard IDE Interface Flash Disk](#)

Advantech will begin to sell its new IDE interface Flash disk at the end of May this year. The PCD-1244H will retain the same form factor and product characteristics as the PCD-1230A, but offer double the memory capacity.

## Product Information

### [New Clock Generator for the PCM-5862E Series](#)

The PCM-5862E Series's Clock Generator has been phased out and replaced with a new one. The new Clock Generator is fully compatible with all previous software and hardware functions of the PCM-5862E Series.....



## Technology

### [Running Windows® 2000 on Advantech SBCs](#)

The well publicized Windows® 2000 operating system is becoming increasingly more common across all hardware platforms. To ensure there are no underlying issues concerning this OS, Advantech has been testing Windows 2000 compatibility for use on Advantech Embedded Computing Group products.

## Marketing Kaleidoscope

### [Come to Visit ECG at Computex Taipei 2000](#)



COMPUTEX TAIPEI 2000, one of the three largest computer exhibitions worldwide, will run from June 5th - 9th, 2000. Come see the latest ECG products.

**COMPUTEX TAIPEI 2000**  
**June 5-9**

## Recent News

### New Service

- ["Dynamic Burn-in" testing now offered](#)

### Product Information

- [Cyrix Chip Logo changed to Geode](#)

### Product Update

- [New Clock Generator for POS-560B1](#)

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- [ECG's US Mass Mailing campaign](#)

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## New Products

### *New Ultra Small MicroBox PC Provides Tough and Compact Computing Power*



The new MBPC-140 PC with chassis is now available from Advantech. It is a rugged and complete PC solution that offers easy integration for end users as well as flexibility and versatility for ODM customers. The MBPC-140 is fully compatible with all PC software for ease of use and implementation. This tough, all-in-one 486 PC based controller and chassis is ready to be used in a variety of applications that need compact, full function computing power.

#### *Computing Power Where You*

#### *Need It*

The MBPC-140 is truly an all-in-one PC based controller and chassis. It comes equipped with 32 MB DRAM, a DB-15 SVGA interface with up to 4 MB display memory for CRT monitor support, a 10/100Base-T Ethernet interface, a DB-9 RS-232 serial port and Phoenix connector for DC 5 V power input. In addition, the MBPC-140 is equipped with a CompactFlash™ solid-state disk socket, which can also function as an emulated hard disk. The MBPC-140 can be either wall mounted or Din-rail mounted for increased installation flexibility.

This compact unit offers all these functions in an incredibly small hand-sized chassis. Measuring a mere 142 x 36 x 94 mm, all of the MBPC-140's components, such as the CPU and DRAM, are already on board. Advantech can also provide a Win CE® solution for this product (just like other Advantech products). Plus, since everything is enclosed in a rock solid die-cast aluminum chassis, components are very secure and extremely well protected. The MBPC-140 is ready to operate in the harshest, most demanding environments.



#### *A Wide Customer Base*

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The MBPC-140 is an extremely compact and solid PC based controller ready to be used in a variety of ways. It can be used as a small industrial controller, for controlling building automation systems, as a web server, in security systems, and numerous other challenging applications. Its size and capabilities make it an effective PC solution able to go where you need it most.

For our ODM customers, the MPBC-140 offers flexibility in that the internal carrier board can be designed to accommodate ODM specifications. The front and back covers are also easy to change to handle specific ODM designs. This versatility and engineering flexibility is a way Advantech adds value to the MBPC-140 and our entire product line. Value that matches customers' needs.



### ***Availability***

Pricing information, sample orders and regular orders are available now. If you are looking for a solution that can handle your most demanding PC based applications, take a look at the MBPC-140. Feel free to contact Advantech at <http://www.advantech.com/epc> for more information on the MBPC-140 or any other products. Or contact your nearest Advantech representative.

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## New Product

### New and Improved PCD-1244H Standard IDE Interface Flash Disk



Advantech will begin to sell its new IDE interface Flash disk at the end of May this year. The PCD-1244H will be an effective replacement of our current PCD-1230A, which has already been phased out. The PCD-1244H will retain the same form factor and product characteristics as the PCD-1230A, but offer double the memory capacity. Three memory sizes of 8 MB, 16 MB and 32 MB will be offered. The increased memory capacity reflects the never ending effort by Advantech to pass on

gains made through technology advances, directly to our customers.

#### More Capacity, More Flexibility

The PCD-1244H is a good flash memory solution. With a standard IDE interface, no special drivers are needed and it can be used like a conventional hard disk. Smaller than a 2.5" IDE Flash disk, the PCD-1244H can be mounted directly on some Advantech SBCs. Advantech SBCs that offer direct mounting support for the PCD-1244H are the PCM-5862E, PCM-3864 and the PCM-3860. The PCD-1244H can also be applied to other embedded solutions by first being mounted on a convenient companion module, the PCM-3835. As shown below, the PCM-3835 demonstrates how effective a dual SSD solution can be. For example, the Operating System can be stored in the PCD-1244H Flash disk, while the application data, which can easily be exchanged or replaced, can be stored in the CompactFlash™ card. This is a compact, rugged, powerful and flexible embedded application memory solution.



PCD-1244H Mounted on PCM-3835

#### Availability

Regular orders will be available at the end of May. The PCD-1244H is a

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dependable SSD memory solution that can add flexibility to any embedded solution. Below are the part numbers for the PCD-1244H:

PCD-1244H-0008	44-pin IDE Flash SSD	Horizontal type/8 MB
PCD-1244H-0016	44-pin IDE Flash SSD	Horizontal type/16 MB
PCD-1244H-0032	44-pin IDE Flash SSD	Horizontal type/32 MB

Contact Advantech anytime at <http://www.advantech.com/epc> to find out more about the PCD-1244H or any other Advantech products. You may also contact your local Advantech representative for more information.

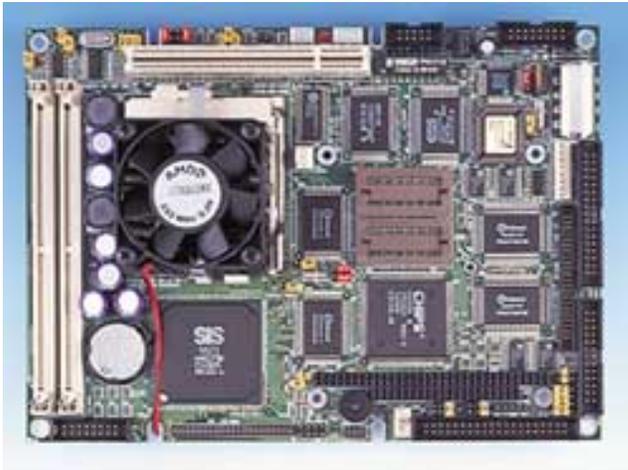
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## Product Info

### *New Clock Generator for the PCM-5862E Series*



The PCM-5862E Series's Clock Generator has been phased out and replaced with a new one. The new part number will be reflected by changing the A1 to an A2 in the current (2000) ECG Master Catalog ordering information for the PCM-5862E. For example, the PCM-5862E-00A1 will be changed to the PCM-5862E-00A2. All PCM-5862E part numbers with an A2 on the end, will reflect the boards with the new clock

generators.

The PCM-5862E-xxA2 boards will be phased in starting early in Q3. Some A1 boards and A2 boards might appear side by side during this period. So this is good information for all Advantech customers and sales people.

The new Clock Generator is fully compatible with all previous software and hardware functions of the PCM-5862E Series. Advantech always feels making our customers aware of changes is important. This eliminates confusion and also helps to keep Advantech sales people better informed.

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## Technology Section

### *Running Windows® 2000 on Advantech SBCs*

The well publicized Windows® 2000 operating system is becoming increasingly more common across all hardware platforms. To ensure there are no underlying issues concerning this OS, Advantech has been testing Windows 2000 compatibility for use on Advantech Embedded Computing Group products (Panel PCs and SBCs).

Windows 2000 is built on Windows NT technology that uses a familiar Windows 98 user interface. Microsoft has defined minimum system requirements for running Windows 2000. These requirements are as follows:

1. A 133 MHz or higher Pentium-compatible CPU
2. Minimum 64 MB of RAM recommended.

At first, Advantech will only test the CPU boards (and system products like PPCs) which meet these minimum requirements. This testing involves the following criteria:

- Successful installation of Windows 2000 operating system
- Onboard device compatibility
- HCT 9.0 System Stress test

### *Advantech ECG Products Already Passed*

The following Advantech products passed the Windows 2000 Professional compatibility test:

- PCA-6751
- PCA-6752
- PCI-6771
- PCM-9570B
- PCM-9574
- PPC-123/153

### *Keeping You Informed*

Advantech will always keep you updated on issues such as this Windows 2000 compatibility testing. As we have mentioned before, our web site is a great medium for quickly and efficiently exchanging information such as this to our customers and sales people. We always welcome your comments and suggestions on how we can communicate more effectively with you. Contact <http://www. advantech.com/epc> for more information.

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## Marketing Kaleidoscope

### Embedded Computing for a Better Life: Welcome to the ECG Show at Computex Taipei 2000

COMPUTEX TAIPEI 2000, one of the three largest computer exhibitions worldwide, will run from June 5th - 9th, 2000. This year, COMPUTEX TAIPEI 2000 will present a more brilliant and informative event with even more exhibition booths in the new exhibition hall. Based on the theme TAIPEI NET EXPOSITION ON 2000, COMPUTEX Taipei 2000 will certainly be the most successful to date.

The Advantech Embedded Computing Group will host an individual exhibition at the Taipei Hyatt Hotel, in the second floor Drawing Room on June 7th. The one-day exhibition highlights the theme "Embedded Computing for a Better Life". ECG will present Advantech's high-performance products for versatile applications for our daily lives. These include information terminals, POS, healthcare and fitness equipment, security-based systems, and more. Our demo



**COMPUTEX TAIPEI 2000**  
**June 5-9**

*Visit us at*

**Computex Taipei 2000**  
**On June 7, 9 a.m.~18 p.m.**  
**Grand Hyatt Taipei: Drawing Room**

products will include a Celeron™ Socket 370 SBC with VGA/LCD, Ethernet and U2 SCSI; a 2.5" card size PC, Pentium II/III half-size CPU boards, plus low power computing solutions featuring our Celeron™ Socket

370-based panel PCs. The show will begin at 9 a.m. and end at 6 p.m. in the evening. We will have staff available to introduce our newest products and answer your questions in English, Japanese and Korean.

We truly believe that participation at this exhibition will be an added plus to your COMPUTEX tour and sincerely invite you to join this event. Please contact our regional office if you would like to make an appointment with a sales representative in advance. We look forward to seeing you at the show and at the Taipei Hyatt.

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