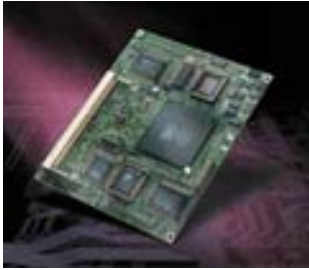


## Prime News

### Advantech Introduces New SOM-4451



Advantech's new SOM-4451 is a SOM-ETX CPU module board with an onboard, embedded, low-power 200 MHz SiS 552 processor. Other onboard features include a VGA/LCD controller for 18-bit LCD TFT display and an IEEE 802.3u 100BASE-T fast Ethernet interface. Jumperless on-line setup and 62-level watchdog timer are supported ..... [\(read more....\)](#)

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## Announcement

### PCM-5820 Now Supports Windows CE .NET



Good news! After the careful resolution of several technical issues (see below), Advantech's PCM-5820 now supports embedded Windows CE .NET. So now all the benefits of high connectivity, super compact software footprint .....[\(read more....\)](#)

### New Heatsink for SOM-4450 Series



Starting in July 2002, a heatsink will be included with each SOM-4450 unit. The new heatsink is supplied, unattached, to give the customer a convenient option for increasing ..... [\(read more....\)](#)

## Product Update

### PCM-9572F-L8A1 Phase out Information



As previously announced to most of our sales channels on Jan 30th, 2002, the PCM-9572F-L8A1 SBCs will be phased out soon. Due to PCM-9572F-L8A1 VGA/LCD chip SMI 721/8M chip phase out..... [\(read more....\)](#)

## Marketing

### To Shot Your EC Product Issues, Here is the Right Path



To make the Advantech communications between ECG product divisions and our sales channels smooth and more efficient, we highly recommend our worldwide offices and channel partners to use the following contact windows for any product-related issues starting today....([read more](#))

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## Prime News

### Advantech Introduces New SOM-4451



Advantech's new SOM-4451 is a SOM-ETX CPU module board with an onboard, embedded, low-power 200 MHz SiS 552 processor. Other onboard features include a VGA/LCD controller for 18-bit LCD TFT display and an IEEE 802.3u 100BASE-T fast Ethernet interface. Jumperless on-line setup and 62-level watchdog timer are supported. Optional SSD DOC support is also provided.

With this board, system engineers will be able to upgrade their 486-based systems to Pentium level with increased confidence, partially because a Pentium-level SiS 552 processor is mounted directly on the board. Mounting CPUs directly on board eases configuration and installation because there is no need to set any jumpers for speed or voltage differences between various CPUs. In addition to ease of configuration, the SiS 552 200 MHz low-power CPU has been specially designed to work well in environments with temperatures up to 60°C without need of a fan. Eliminating the CPU fan significantly reduces MTBF, and increases application possibilities.

#### Why customers choose SOM-4451

- 1. Fanless operation:** Traditional Pentium CPU modules usually have a heatsink/fan module. When the fan breaks down, the machine fails without notice.
- 2. SoC with Ultra-AGP™ technology:** SOM-4451 delivers high performance GUI-memory bandwidth, and powerful slice layer decoding DVD acceleration to improve DVD playback performance. SOM-4451 also adopts Share System Memory Architecture that flexibly utilizes the frame buffer up to 128MB.
- 3. High performance/price ratio:** SoC (System on Chip) solution integrates an x86 compatible processor, high performance North Bridge, advanced hardware GUI engine, and Super-South bridge to give the most performance for the money.

#### Potential applications

1. PC-based multimedia machine
2. Public kiosk station

**Available date:** End of July, 2002

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## Ordering information :

- **SOM-4451F-D0A1:** SiS SOM-ETX CPU module w /SiS 552 CPU, VGA&LCD/LAN/Audio
- **SOM-4451FL-D0A1:** SiS SOM-ETX CPU module w/SiS 552 CPU, VGA&LVDS/LAN/Audio

## Contact Information

For more information about Advantech's SOM-4451, please contact your nearest Advantech representative, check our website at

<http://www.advantech.com.tw/epc> or send an e-mail to

[PM.SOM@Advantech.com.tw](mailto:PM.SOM@Advantech.com.tw)

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# PCM-5820 Now Supports Windows CE .NET



Good news! After the careful resolution of several technical issues (see below), Advantech's PCM-5820 now supports embedded Windows CE .NET. So now all the benefits of high connectivity, super compact software footprint, power management, and real-time support that CE .NET offers are all available on the PCM-5820 platform.

## Fast Time to Market

Windows® CE .NET lets customers leverage thousands of existing software applications and millions of developers already familiar with Visual Basic and C++ programming. It is easy to migrate existing Windows 98, and NT software to Windows CE. So development time and money is saved, allowing developers to get working prototypes to customers quickly.

## Technical Issues Overcome

Although Windows CE .NET was designed to work with various CPU architectures, many built-in features were designed for systems such as as PDAs and webpads that are never powered off, and data kept in RAM could be lost if power were lost. This scenario did not really fit into the popular x86 PC architecture that was deployed in the embedded computing market. Advantech has made many improvements that help Windows CE .NET work seamlessly with x86 platforms. These improvements include:

- Advantech intellectual property license
- Working OS image includes all necessary device drivers
- Application autolaunch with specifiable parameters
- Save memory control panel settings

- Drivers either developed in-house or modified to be bug free
- Persistent registry
- Save registry on suspend
- Windows CE .NET license
- DOS-less bootloader
- Customizable boot logo
- Fast IDE disk access
- Device test utilities



## Availability

Available now. OEM and integration service inquiries accepted.

## Ordering

- PCM-5820 CE-000: PCM-GOB1 with Win CE 3.0 (English) on 16MB CFC
- PCM-5820 CD-001: PCM-GOB2 with Win CE .NET (English) on 64MB CFC

## Learn More

Contact your Advantech representative or <mailto:epc@advantech.com.tw> to inquire about PCM-5820 with embedded Windows CE.NET.

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## Announcements

### New heatsink for SOM-4450 series

Announcement



Starting in July 2002, a heatsink will be included with each SOM-4450 unit. The new heatsink is supplied, unattached, to give the customer a convenient option for increasing the thermal stability of the onboard NS Geode CPU.

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## Product Update

### *PCM-9572F-L8A1 Phase out Information*

**Reminder: the last buy date for the PCM-9572 L8A1 is July 30, 2002.**



As previously announced to most of our sales channels on Jan 30th, 2002, the PCM-9572F-L8A1 SBCs will be phased out soon. Due to PCM-9572F-L8A1 VGA/LCD chip SMI 721/8M chip phase out. This is a reminder to let everyone know the exact date. The last-buy date will be July 30th, 2002. After this date, availability will be based on remaining stock only. The PCM-9572F-L4A1 will effectively replace the PCM-9572F-L8A1. Once again, the PCM-9572F-L8A1 last buy date will be 7/30/2002. Contact

<http://www.advantech.com/epc> for more information on this POS SBC product or any other Embedded PC products. You can also contact your local Advantech representative to find out more.

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- [ECG.PM@Advantech.com.tw](mailto:ECG.PM@Advantech.com.tw)  
(for general Embedded Computing product issues)
- [PM.Biscuit@Advantech.com.tw](mailto:PM.Biscuit@Advantech.com.tw) (for Biscuit SBC product issues)
- [PM.SlotPC@Advantech.com.tw](mailto:PM.SlotPC@Advantech.com.tw) (for Half Sized SBC product issues)
- [PM.POS@Advantech.com.tw](mailto:PM.POS@Advantech.com.tw) (for POS SBC product issues)
- [PM.SSD@Advantech.com.tw](mailto:PM.SSD@Advantech.com.tw) (for SSD product issues)
- [PM.PC104@Advantech.com.tw](mailto:PM.PC104@Advantech.com.tw) (for PC/104 product issues)
- [PM.SOM@Advantech.com.tw](mailto:PM.SOM@Advantech.com.tw) (for SOM SBC product issues)
- [PM.DTOS@Advantech.com.tw](mailto:PM.DTOS@Advantech.com.tw) (for DTOS / ODM product issues)
- [ess@advantech.com](mailto:ess@advantech.com) (for Embedded software solution issues)

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