

Prime News

[Advantech SOM-4472 Product Launch](#)



The SOM-4472 combines low cost, and low power requirements with a high performance data rate to make it a powerful competitor against older, Pentium-based designs. This is an SOM-ETX form factor CPU module board, with chipsets similar to SBC [PCM-9575](#). The onboard VIA low power Ezra 800 MHz or Eden 400MHz processor uses advanced 0.13u CMOS technology with 128KB L1 cache memory and 64KB L2 cache memory on die. [\(read more....\)](#)

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[Advantech Incorporates M-Systems' DiskOnChip 2000 TSOP in System On Module Solutions](#)



M-Systems DiskOnChip 2000 TSOP is a high performance data storage solution that offers cost-effective data storage beyond that of traditional hard disks. SOM solution provides system integrators with a ready-to-use computing platform, complete with the DOC 2000 TSOP, around which they can build their customized embedded applications. [\(read more..\)](#)

Application Guide

[Dual Display -- PCM-9572, PCM-9370 or POS-7671](#)



rescue. [\(read more..\)](#)

How can you have two distinct, high-quality displays without paying for two entire systems? Advantech offers some cost effective, space saving solutions. Whether it is for POS, POI, or any application where different audiences require different displays, or for enhanced viewing and workspace management, Advantech's series of dual display SBCs comes to the

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This board can operate without a fan at temperatures up to 60°C (140°F)

(800MHz model requires a small fan) and typically consumes under 14 Watts, even while supporting numerous peripherals. The SOM-4472 includes a 4X AGP controller, TV out, a PCI audio interface, a PCI Ethernet interface, and 2 channel LVDS interface. Other I/O features include an LPT, 4 USBs, IrDA and 2 serial ports. For storage, there is support for two FDDs and up to two EIDE devices.



True Multimedia SOM-ETX

The SOM-4472 TV-out supports both NTSC and PAL formats through S-Video and composite connectors. The 3D engine 4X AGP VGA/LCD controller supports DVD play. 3D audio complies with the AC97 standard.

This product uses a VIA Twister chip with Integrated Savage4 2D/3D/Video Accelerator, north bridge and LCD controller, and supports 4X AGP VGA/LCD interface and up to 32 MB frame buffer using system memory. The SOM-4472's powerful processor choices and solid system chipset make it a perfect core technology for multimedia, medical equipment, and other long life applications. It is also effective for use as a mini-server or gateway device, through its ability to add more Ethernet ports through its flexible design of carrier boards.

Features

- Embedded low power VIA 800MHz or 400MHz processor
- Applied SOM-ETX form factor standard
- Fanless operation with 400MHz processor
- 133/100MHz FSB and 4X AGP graphics for high performance applications
- TV out

Availability

The SOM-4472 with VIA Ezra 800MHz and VIA Eden 400 MHz processors will be available in April, 2002. An intermediate model, employing a VIA 667MHz processor, will be available soon after.

Contact Information

For more information on this new product or any other SOM products, contact your nearest Advantech representative or e-mail us at epc@advantech.com today.

Check out the complete product and ordering information on Advantech's website <http://www.advantech.com/products>, or contact your nearest Advantech sales representative.

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Advantech Incorporates M-Systems' DiskOnChip 2000 TSOP in System On Module Solutions

M-Systems DiskOnChip 2000 TSOP is a high performance data storage solution that offers cost-effective data storage beyond that of traditional hard disks. It is perfect for applications with limited space and varying capacity requirements. Released earlier this year and designed specifically for embedded applications, M-Systems' DiskOnChip 2000 TSOP is being utilized for local storage of the operating system, applications, and application data.



Advantech's System on Module solution bridges the gap between conventional off-the-shelf single board computers and custom-made computing platforms for embedded applications. The SOM solution provides system integrators with a ready-to-use computing platform, complete with the DiskOnChip 2000 TSOP, around which they can build their customized embedded applications. Instead of having to

spend time on CPU/system chipset integration, system integrators using SOM solutions can focus their development efforts on their application's specialized solution board. Advantech's DiskOnChip SOM solutions are designed to cut development time, cost, and risk.

Excellent Advantages

"Advantech's System On Module solutions with our DiskOnChip provide embedded product designers many excellent advantages," said Barry Doong, president of M-Systems Asia. "Flexibility, cost-savings, small size and performance--these are just a few items on the list. It is a pleasure for us to be involved with Advantech again in providing these benefits to embedded system developers."

Key Features of DiskOnChip 2000 TSOP

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- Easy integration on any platform
- Block device emulation
- Long life span
- Read and Write protection
- Device and Customer ID

More information about the DiskOnChip 2000 TSOP (Thin Small Outline Package) can be found on [M-System's Website](#) !

Put TSOP SOM to Work

To find out more information about how DiskOnChip SOM solutions can help you, email epc@advantech.com today.

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Application Guide

Dual Display -- *PCM-9572, PCM-9370 or POS-7671*



5.25" Pentium III, Low Power SBC with CPU, Audio, VGA/LCD and Ethernet.



3.5" Transmeta Crusoe SBC with CPU, VGA/LCD, and Ethernet.



Socket 370 Pentium III EBX-SBC for POS Applications

How can you have two distinct, high-quality displays without paying for two entire systems? Advantech offers some cost effective, space saving solutions. Whether it is for POS, POI, or any application where different audiences require different displays, or for enhanced viewing and workspace management, Advantech's series of dual display SBCs comes to the rescue.

Advantech offers three SBCs that support dual independent TFT LCD display :PCM-9572,PCM-9370, and POS-7671. All these boards use the low-power SMI Lynx 3DM 721 display chip, featuring 4 or 8 MBDRAM on die. Displays can be dual TFT LCDs, or dual TFT LCD plus CRT. The CRT display is the same as LCD 1. The independent display units can run different displays at different resolutions, so you can mix and match among several display resolutions : 640 x 480, 800 x 600, and 1024 x 768. Supported operating systems are : Windows 98, Windows Me, or Windows 2000.



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