

Prime News

[New Transmeta TM5400 SOM 144 System On Module Available Now](#)

Advantech's SOM-2365 features low-power, high performance mobility by offering the Transmeta Crusoe™ TM5400 processor in this System-On-Module solution. Based on an advanced VLIW core architecture, the Crusoe™ TM5400 can provide x86 compatibility by utilizing x86 Code Morphing software ([read more...](#)).



New Product

[New POS-7671 Breaking Traditional POS Barriers](#)

Supporting innovative POS and POI solutions with a powerful, flexible and small-sized platform, is the key to the new POS-7671 application board. The POS-7671 utilizes a smart arrangement of I/O connectors on an 8" x 5.75" EBX form factor board that gives integrators a price competitive platform with maximum performance and flexibility. This configuration allows for greater POS chassis flexibility with all the features and power to handle more innovative solutions ([read more...](#))



Tel: 886-2-2218-4567
Fax: 886-2-2218-3875
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New Product

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New Transmeta TM5400 SOM 144 System On Module Available Now

Advantech's **SOM-2365** features low-power, high performance mobility by offering the Transmeta Crusoe™ TM5400 processor in this System-On-Module solution. Based on an advanced VLIW core architecture, the Crusoe TM5400 can provide x86 compatibility by utilizing x86 Code Morphing software. The Crusoe processor is one of the most energy efficient high performance x86 compatible mobile solutions on the market today. The TM5400's LongRun Technology™ is a feature that allows the processor to adjust both its frequency and voltage to the levels required by the application. Advantech offers this integrated solution on a board 85 mm x 100 mm in size, so it is perfect for small, embedded internet appliance devices and ultra-light, power conscious mobile applications.



One of Many SOM 144 Solutions

The SOM 144 products have compressed many features usually found on larger control boards into a 2.5" size (68 mm x 100 mm). These plug-in CPU modules are designed to help customers bring their CPU-based embedded products to market fast. Advantech offers our **30 Days Design To Order Service (DTOS™)** that guarantees 3 product samples within 30 days of project acceptance. This is a way Advantech is giving our customers a cost-effective and extremely fast way to meet their product and business needs.

Summary of Features and Specifications of the SOM-2365

- **CPU:** Transmeta Crusoe TM5400
- **Chipset:** VIA VT82C686B (Southbridge)
- **RAM memory:** 64 MB SDRAM on board
- **BIOS:** AWARD 256 KB Flash Bios
- **PCI/IDE/Serial Port/USB/AC97/KB/Mouse** (SOM 144/PCI V1.4 at SODIMM socket)
 - I/O expansion: 3 master PCI bus
 - Enhanced IDE HDD interface: Up to 2 IDE HDD
 - Serial ports: Two serial ports (TTL)
 - Keyboard & PS/2 mouse: Supports standard PC/AT KB/mouse
 - Two independent USB interfaces, USB 1.1 compliant
- AC97 Codec interface: Specification revision 1.3, 2.0 and 2.1 compliant
- **IrDA/FDD/Printer/ATX Power** (SOM 144/PCI V1.3 80 pins 0.5 mm board to board)

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- Supports ATX power supply
 - FDD interface supports up to two floppy disc drives, 5.25" (360 KB and 1.2 MB) and/or 3.5" (720 KB, 1.44 MB and 2.8 MB)
 - Floppy disc drive interface/Multi-mode parallel port: FDD interface and parallel port share the same connector, either FDD or parallel port can be switched in BIOS setup.
 - IrDA
 - FDD/parallel port SPP, ECP and EPP support
- **Operating Temp** : 0 to 60° C (32 ~ 140° F)

Ordering Information

These products are available now. To place an order use the following part number information:

SOM-2365L-LDA1: SOM-144 PCI W/TM5400-500/64 MB

SOM-DB2300: Development board for SOM 144/PCI

Contact Information

For more information about our products, please contact your nearest Advantech representative or look at our website at <http://www.advantech.com.tw/SOM> or send us an e-mail to som@advantech.com.tw

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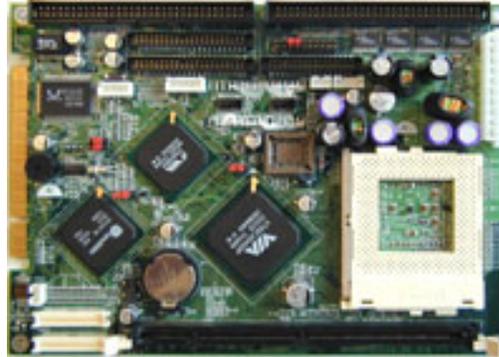
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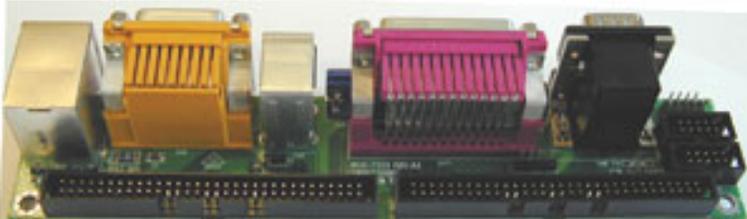
New Product

New POS-7671 Breaking Traditional POS Barriers

Supporting innovative POS and POI solutions with a powerful, flexible and small-sized platform, is the key to the new **POS-7671** application board. As introduced in the [May 15th EPC Newsletter](#), the POS-7671 utilizes a smart arrangement of I/O connectors on an 8" x 5.75" EBX form factor board that gives integrators a price competitive platform with maximum performance and flexibility. This configuration allows for greater POS chassis flexibility with all the features and power to handle more innovative solutions, yet still maintains all traditional POS needs. [Click here for product and datasheet information.](#)



The picture shown below is the **POS-7105 I/O board**. This board (which is the same length as the POS-7671), can go wherever it is needed. It simply connects to the POS-7671 by cable. Also, depending on the application needs, selected I/O can be selectively used (without using the POS-7105 I/O board). This allows integrators the flexibility to custom design their output configuration and locations, by simply changing their cabling.



More Power, More Features, More Flexibility

- The **POS-7671's** Socket 370 design supports Intel Pentium III/Celeron processors up to **1 GHz** (133/100 MHz FSB) for high speed/performance or fast low power/fanless Pentium III processors.
- The SMI Lynx 721 (4 MB onchip memory) supports dual LCD or CRT that is being seen in some of the newest and most dynamic applications. For example, for POS applications, customers can view (and interact with) one LCD screen while another LCD screen is used by the sales staff for touch screen entry. Dual screen support is also great for more dynamic POI applications by offering dual input/output screen venues for customers that is proving more effective than traditional single screen "click and wait" kiosks. Once again, all this has been achieved on a super-small platform.
- The compact size and flexible I/O arrangement give the **POS-7671** the ability to fit more versatile POS applications. Larger traditional POS boards have limited applications to unattractive "box like" applications, with sometimes very inflexible output configuration. Designers are demanding better and

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more flexible platforms for their POS applications, while keeping costs down. Advantech is delivering.

Contact Information

The **POS-7671 is available now**, use the following information for ordering or inquiries.

POS-7671-00A1: Socket 370 SBC for POS Applications.

POS-10586-1000: Wiring & I/O kit for POS-7671

included in this wiring kit are:

- 1 FDD cable
- 1 HDD cable
- 1 TV-out cable
- 2 64-pin I/O cables
- POS-7105 I/O board

For more information on the POS-7671 or any other Advantech products, contact your nearest Advantech representative or e-mail us at epc@advantech.com.tw today.

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