

-- [New System on Chip](#) -- [New PPC model supports WinCE .NET](#) -- [New RISC Website](#) -- [Phase Out Notice](#) --

Prime News

Tel: 886-2-2792-7818
Fax: 886-2-2794-7304

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[Ethernet-ready System on Chip](#)



Advantech's EVA-SOC offers 10/100 Ethernet connectivity using our proprietary, cost-effective 75MHz RISC-based microprocessor. This, combined with a royalty-free real time OS, contributes to top performance-to-cost ratio. Integrated components offer the combined benefits of increased reliability, reduced size, reduced costs, and reduced time to market.

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

Product News

[New PPC-L126T model Supports WinCE .NET](#)



Advantech's PPC-L126T now supports embedded Windows CE .NET. All the benefits of high connectivity, super compact software footprint, power management, and real-time support that CE .NET offers are now available on the PPC-L126T ready-to-run platform. [\(more\)](#)

Announcement

[New RISC Website](#)



Advantech RISC Solutions now has a well-designed section on the corporate website, complete with Introduction, background pages, Customization Service, Start a Project, Products, News & Events, Tech Support, and Contact Page. [\(read more...\)](#)

[Phase out Notice](#)

Recent News

Application Story

- [Self-Ticketing Kiosk](#)

New Products

- [4-LAN POD-6704](#)
- [PCA-6772](#)
- [SOM-4451](#)

Announcement

- [PPC103&105 add DC](#)

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The following POS products are slated to phase out in January: POS-562-00A1, POS-562S-00A1, and POS-562M-00A1 Version:A1. ([read more...](#))

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

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With the Ethernet protocol becoming the de facto network of choice for ever more professional, office, industrial, and even home environments, it makes sense to develop new systems or leverage existing ones to take advantage of Ethernet connectivity. Advantech's EVA-SOC offers 10/100 Ethernet connectivity using our proprietary, cost-effective 75MHz RISC-based microprocessor. This, combined with a royalty-free real time OS, contributes to top performance-to-cost ratio. Integrated components offer the combined benefits of increased reliability, reduced size, reduced costs, and reduced time to market.

The SOC

Advantech's EVA-X1610C System on Chip integrates Ethernet *and* RS-232 connectivity into an 80C186-compatible 75MHz RISC microprocessor. This makes it possible to connect serial-port devices to the Ethernet transparently and cost-

effectively.

The SOM

The System on Module is a mini-PCB featuring the EVA-X1610C chip, plus flash memory (with firmware), SDRAM, Ethernet PHY, WDT, and 2 serial ports. Firmware includes a robust TCP/IP stack, and RS-232 support. An upgrader's delight! IC design already taken care of. Port any RS-232 enabled device transparently to Ethernet connectivity.

The DK

Everything needed to develop and debug RISC-based systems and applications incorporating Ethernet connectivity. Total development environment lets developers concentrate on software and system development, not reinvent the hardware wheel. The Developer's Kit includes a carrier board, plus the EVA-X1610C-SOM, 10~30 VDC power supply, RJ-45 Ethernet connector, plus the EVA-X1610C-DK Development CD, with MicroC/OSII real-time OS & library, Ethernet & RS-232 COM port drivers, Ethernet networking protocol stack library & programming guide, and Ethernet networking services (HTTP, Telnet, FTP, SMTP).

Features

- 16-bit Microprocessor
- RISC architecture with Pipeline Technology
- Five-stage pipeline
- Static design & Synthesizable design
- 1M byte memory address space
- 64K byte I/O address space
- 80C186 software compatibility
- Up to 75 MHz operating frequency

SDRAM Control Interface

- Supports 16-bit data bus width
- Supports 1Mbit x 16 and 4Mbit x 16 SDRAM devices
- Supports 2 Mbyte and 8Mbyte memory size
- Up to 75 MHz operating frequency Bus Interface
- One Non-Multiplexed System

Bus Interface

- Non-multiplexed address and data bus
- Supports non-multiplexed address bus A [19:0]
- 8- or 16-bit external bus dynamic access
- Supports max. 512 KB, 8- or 16-bit data width Flash ROM
- Multiplexed with SDRAM bus interface
- 64K-byte I/O space
- Supports memory and I/O devices
- 1M-byte memory address space
- Supports an independent bus for I/O devices

Ordering Information

EVA-X1610C	Advantech 75MHz RISC-based RS-232 to Ethernet IC chip
EVA-SOM1610-01	System on Module with EVA-X1610C plus flash memory, firmware (with RS-232 support), SDRAM, Ethernet PHY, WDT, and 2 serial ports
EVA-X1610C-DK	Developer's Kit with development board, EVA-SOM1610-01, 10~30 VDC power supply, RJ-45 Ethernet connector, and developer's toolkit on CD-ROM including: royalty-free MicroC OSII real-time OS & library, Ethernet & RS-232 COM port drivers, Ethernet networking protocol stack library & programming guide, and Ethernet networking services (HTTP, Telnet, FTP, SMTP)

Check out the SOC website at <http://www.advantech.com/soc/>

For sales inquiries email us at ecgnews@advantech.com.tw.

Contact Advantech today!

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Product News

New PPC-L126T model Supports WinCE .NET



Advantech's [PPC-L126T](#) now supports embedded Windows CE .NET. All the benefits of high connectivity, super compact software footprint, power management, and real-time support that CE .NET offers are now available on the PPC-L126T ready to run platform.

PPC-L126T-CE-RT Features:



- 1) VIA Eden 667MHz CPU
- 2) Windows CE .NET image
- 3) Touchscreen Monitor
- 4) 64MB Compact Flash Card
- 5) Speakers

note: Slim-type CD-ROM device available by OEM request

Software Includes:

- Windows CE.NET, English
- Windows Media Player
- Remote Desktop Protocol (RDP)
- Terminal Emulator
- Storage Manager
- CD/UDFS File System
- FAT File System
- RAM & ROM File System

Device Support for:

- SDRAM: 64MB ~ 512MB, up to 1 GB.
- Display: VIA Eden 667 MHz
- Audio: Line-in, Line-out, Mic-in, speakers
- Network: 10/100 Base-T Ethernet
- PS/2 keyboard | PS/2 mouse
- Serial Port: COM1, COM2 and COM3.
- Touch screen: Serial port interface
(Use COM4 for touch screen resource)
- Parallel port | 2 channel IDE
- USB controller and USB mouse

Other News

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Ordering Information

PPC-L126T-CE-RT	PPC-L126T-R70-X with English Windows CE .NET on 64 MB CFC
PPC-ARM-A01	VESA standard ARM for PPC series
PPC-L126-BP	Rechargeable Li-Ion 3S2P 11.1 V 4000 mAh battery pack
PPC-L126 WL-MT	Wall Mount Kit for PPC-L126
PPC-L126 STAND	Desktop Stand for PPC-L126

Check out the PPC-L126-CE site at

http://www.advantech.com.tw/products/Model_Detail.asp?model_id=1-AVZG6&bu=

OEM and integration service inquires enthusiastically accepted! For sales inquiries email us at ecgnews@advantech.com.tw. Contact Advantech today!

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Announcement

New RISC Website

Advantech RISC Solutions now has a well-designed section on the corporate website, complete with Introduction, background pages, Customization Service, Start a Project, Products, News & Events, Tech Support, and Contact Page.

ADVANTECH Your ePlatform Partner

Corporate Home | Buy On-line | Partner Zone | Support

About Advantech | Products | Solutions | News & Events | Contact

RISC Solutions

Main Menu

- RISC Home
- Advantech RISC Solution
- Customization Service
- Off-the-Shelf Products
- Start a Project
- News / Events
- Technical Support
- Contact Us

A Fast Way to RISC-based Application
 -- Advantech RISC Embedded Solution!

RISC Solutions

Advantech Risc Solution is a trustworthy and flexible one-stop-shopping service, focusing on RISC/ARM-based platform solutions that give customers an application-ready SBC (Single Board Computer) with fast time-to-market, low cost of ownership.

RISC Information Highlight

▶ **Intel StrongARM / Xscale Application Kits available now!**

Unlike other development kits using evaluation boards, the **Advantech RISC Evaluation Kit** comes with Advantech off-the-shelf ARM based SBCs that not only accelerate your application development cycle, but also provide a fast way to preview the feasibility of your project, and launch a market trial run.

Multi ARM based processor cores and optional embedded Windows CE NET / Embedded Linux Operation Systems are available to fulfill your needs.

▶ RISC DTOS service is committed to completing customized samples in ONLY 45 days!

With full-range ARM based SOM core engine, Advantech RISC DTOS development service is committed to completing 3 customized board samples, with embedded OS already ported, in only **45 CALENDAR DAYS**. And the unified **SOM-RX000 System Bus** interface offers the benefit of upgradeability and design flexibility through a 200-pin connector.

▶ Embedded Solution Partners Wanted!

The **Advantech Embedded Solution Partner** program establishes business teams to provide total RISC application solutions. In this program, Advantech provides complementary RISC platform solutions and service packages so the alliance partners can concentrate on their most valuable core competence/application solution development.

Embedded Solution Alliance Partner

ADVANTECH

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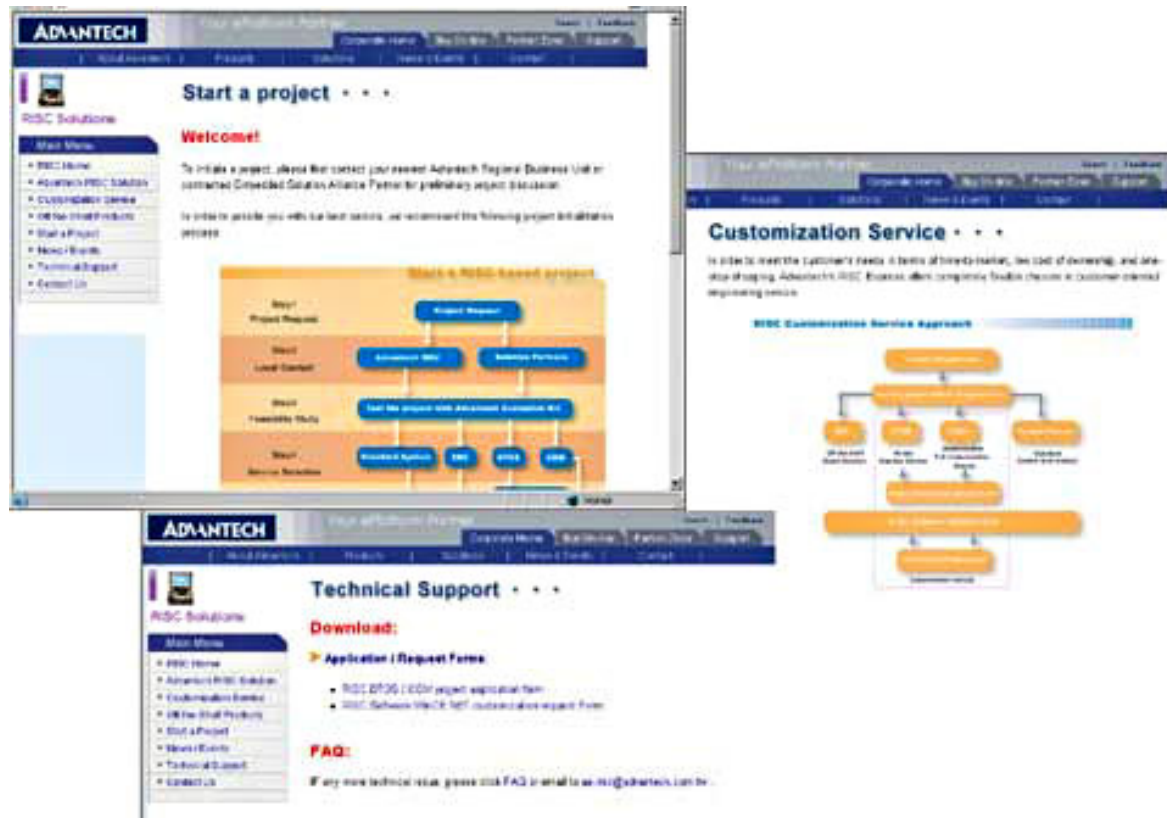
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The new RISC website should make it easy for anyone, from RBUs to end customers, to find whatever RISC-based product or service they may need.



Check out the RISC website if you have not done so already:
<http://www.advantech.com/risc/>

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Announcement

POS models scheduled for phase out

January 7, 2003 will be the last-buy date for the following products:

Old Product:	Replaced by New Product:
POS-562-00A1	POS-761F Series
POS-562S-00A1	POS-563 Series
POS-562M-00A1 Version:A1	POS-7551 Series

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