

Prime News

[New PCM-3115 PC/104-Plus PCMCIA Module Available Soon](#)

Advantech's new PC/104-Plus PCMCIA module will soon be available. The PCM-3115, with its Ricoh Card Bus Controller chipset, brings the latest PCMCIA performance features to Advantech's PC/104 line.



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Product Update

[PCM-5824 Upgrades to New Low-power Geode GX1 Processor](#)

The PCM-5824 5.25" Biscuit PC will upgrade one of its product line SBCs. The **PCM-5824-D0A1 Rev. A102** with a Geode GXLV-200 processor, is being phased out and replaced by the **PCM-5824-E0A1 Rev. A103** with a Geode GX1-233 processor.



Application Story

[PCI-6771 SBC Helps Japanese Manufacturer Capture Share of Mini Server Market](#)

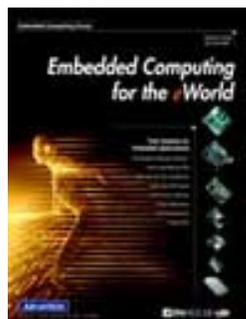
Advantech's PCI-6771 PCI single board computer is being used by a major Japanese manufacturer to help capture a share in the lucrative mini server market. With its compact size, fast PCI bus speeds, ability to use Pentium® III processors up to 850* MHz and ease of installation and use, the PCI-6771 integrated well into the server application and aligns well with the business needs of the manufacturer and their target customers.



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New PCM-3115 PC/104-Plus PCMCIA Module Offers Increased Speed, Compatibility and Software Support

Advantech's new PC/104-Plus PCMCIA module will soon be available. The PCM-3115, with its Ricoh Card Bus Controller chipset, brings the latest PCMCIA performance features to Advantech's PC/104 line. This includes low power consumption (hardware suspend) and Microsoft native driver support. The Ricoh chipset, with a substantial list of pretested supported devices, allows for greater all-around compatibility for your PCMCIA device support. The PC/104-Plus form factor gives a high speed PCI interface to support the fastest PCMCIA applications/devices, such as Lan, Wireless, ISDN cards and memory cards. And most of all, the rugged construction allows this type of performance to be placed in the most demanding conditions.



Well Documented Compatibility

The Ricoh chipset is a proven performer. The National Software Testing Laboratories (NSTL) has certified this chipset for all the major operating systems. Microsoft has also certified this chipset for most of their major operating systems as well. So rest assured, this module is ready to operate flawlessly with any embedded system.



Mounted on PCM-9559 SBC

Summary of Features and Specifications

Below is a summary of the PCM-3115's features and specifications.

Features

- High performance (PC/104-Plus)
- Low power consumption (hardware suspend)
- Complies with PC Card 95/97/98, Card-32 (32 Bit) PCMCIA V2.1/JEIDA 4.2 (16 Bit)
- Accepts type I/II/III PCMCIA cards
- Supports 2 PCMCIA Slots (when type III card is used in Slot 2, Slot 1 will be occupied too)

Specifications

- Chipset: Ricoh Card Bus Controller
- 16-bit Legacy mode support: YES (3 E0/3E2 I/O port)
- PCI way Legacy DMA support: YES

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- Data bus: 32 bit (compliant with PCI Bus specification 2.2)
- PCI interface: 3.3 V interface (5 V tolerant)
- H/W configuration: Plug & Play auto detect & configuration
- Software: Windows 98/NT/2000/ME, native driver fully supported
- Power requirements: +5 V@ 70 mA (typical)
- Size/weight: 96 mm x 90 mm (3.8" x 3.5 ")
- Environment: 0 ~ 60° C (operating) -40 ~ 85° C (storage)
- Humidity: 0 ~ 90 % RH non-condensing (operating)

Find out more today

Contact Advantech today about the PCM-3115 PC/104-Plus PCMCIA module today. Engineering samples will be available around the end of February. Use part number PCM-3115-00A1 to inquire about this product. E-mail us today at epc@advantech.com.tw or call your local Advantech representative to find out more.

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The PCM-5824-E0A1 Rev. A103 will also have an upgraded version of the NS CX5530 chipset (**CX5530 upgraded to CX5530A**). This CX5530A upgrade will retain all the previous (Rev. A 102) functionality.

Here is a Summary of the Upgrade

Phased out product: **PCM-5824-D0A1 Rev. A102** (GXLV-200)

Replaced by: **PCM-5824-E0A1 Rev. A103 (GX1-233)**

Also please note: the **PCM-5824-G0A1 Rev. A103 (GX1-300)** retains the same ordering information and is identical to Rev. A102, except it has the new CX5530A chipset. So basically this product stays the same, we just want everyone to be aware of the improved chipset.

Find out today

Contact Advantech today about and let us explain how the new GX1 processor and the PCM-5824 SBC can enhance your embedded applications. E-mail us at epc@advantech.com.tw or call your local Advantech representative to find out more.

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Bookshelf-sized, Extremely Powerful

The mini server fits the needs of the SOHO market and small enterprise market with its all in one functionality. Mini servers can also be strategically integrated into large corporate networks, acting as groupware servers, web servers or providing firewall capabilities. The portability of these mini servers is critical, as is the ease of use and flexibility to be used as a stand alone-server or integrated into a larger network.

Proven Industrial Reliability, Expandable, Flexible

This Japanese manufacturer chose Advantech's PCI-6771 SBC and PCA-6104P4 backplane for this application for many reasons. First, the industrial grade construction and proven reliability of the SBC, backplane and component set, gave them the confidence their product could operate in the most demanding conditions. Next, the PCI-6771 SBC and backplane could be easily integrated into their chassis. For size, power, flexibility and reliability, the board solution fit their needs well. This also allowed them to reduce costs and decrease their time to market. Also, the ease of use of the PCI bus configuration answered their customers' needs perfectly. With the PCI bus, off the shelf add-on cards can easily be added. For example, extra ethernet ports can be easily added. This reduces end user costs and increases flexibility. This particular company chose to use a Linux operating system as their standard offer. However, all major operating systems are supported. The familiar PCI bus the ability to handle all standard operating systems makes installation, expansion and upgrade, easy. This factor is especially important in SOHO and small enterprise applications, leveraging standard PC-based knowledge and skills.



Drop us an e-mail today

Feel free to contact Advantech at <http://www.advantech.com/epc> for more information on the PCI-6771 SBC, mini server integration, or any other EPC products. We want to tell you more.

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* faster CPU capability coming

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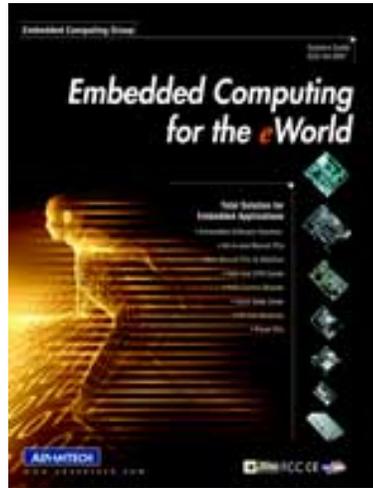
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Contact Advantech today

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