

New Product

[PCM-3664 PC/104 10-Base T LAN Module](#)

Advantech's PCM-3664 industrial grade PC/104 LAN module is available now. The PCM-3664 is a cost effective solution for adding Ethernet capability to any CPU card with a PC/104 connector. With today's broad spectrum of applications that demand network flexibility and functionality, this board works well in all kinds of operating environments, these include industrial, home appliance, medical devices and numerous other embedded applications.



Product Update

[PCM- 5822 Adds Geode™ GX1-300 Processor to Series](#)

Advantech has added the Geode GX1-300 processor to the PCM-5822 product line. The PCM-5822-GOB1 will also include the new CS5530A chipset, which provides the exact same functionality as the CS5530 found in previous models and products. The PCM-5822-GOB1 is in pilot run production now.



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PCM-3664 PC/104 10-Base T LAN Module

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The PCM-3664 is a high-performance 16-bit jumperless ethernet interface module. The module automatically senses whether it is connected to an 8-bit or 16-bit PC/104 system. The module includes a built-in 10 Base-T transceiver and RJ-45 connector. An onboard BNC connector that supports 10 Base-2 is available as well. The PCM-3664 fully complies with IEEE 802.3 01 Mbps CSMA/CD standards and is 100 % Novell NE2000 compatible.

Integrates Well

The PCM-3664 comes with drivers for a wide variety of networks and operating systems. The RTL 8013 chipset is one of the most common and thoroughly tested on the market today. So the pretested reliability of this system on numerous mainstream operating systems eliminates compatibility and driver concerns. This eases integrators system configuration concerns.

Multiple Application Possibilities

Application possibilities are numerous. Added to one of Advantech's slot, biscuit or PC/104 CPU cards, such as the [PCA-6751](#), [PCA-6753](#), [PCM-5820](#) or [PCM-3346](#), the added low profile, dual ethernet capability opens products up to applications single ethernet SBCs can't. For example, Firewall, Router or Gateway network functions can now be easy accomplished. This increased capability is a cost effective way to upgrade current hardware platforms while leveraging existing software and hardware. With the PCM-3664 stacked on a PC/104 CPU card and combined with other PC/104 modules such as the [PCM-3201](#) sound module, powerful solutions can be developed that are extremely small in size, powerful and can go into tight space restricted embedded applications.

Summary of Features and Specifications

- Conforms to IEEE 802.3 Ethernet standards, CSMA/CD protocol for 10 Mbps data transfer
- Hardware and software compatible with Novell NE2000 adapter
- Automatically detects 8-bit and 16-bit data bus

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- [New PCM-3664 PC/104 Adds New Application Possibilities](#)

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- [PCM-5822 Adds Geode™ GX1-233 Processor to product line](#)

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- Remote boot ROM socket for diskless operation
- Built-in 10Base-T transceiver for unshielded twisted pair cabling up to 100 m
- Two diagnostic LEDs indicate network status
- Onboard 32 K memory for high-performance multipackage buffer
- Software drivers for most popular network environments Onboard BNC LAN Connector
- Conforms to IEEE 802.3 10Base-2 standard
- Supports up to 185 m connections on RG-58 thin coaxial cable Hardware
- PC/104 form-factor: 90 x 96 mm (3.6" x 3.8")
- I/O address: 200, 220, 240, 260, 280, 2A0, 2C0, 300,320, 340, 380 or 3A0
- Interrupt levels: IRQ3, 4, 5, 9, 10, 11, 12 or 15
- Boot ROM address: C0000, C8000, D0000 or D8000H
- Data bus: 8-bit or 16-bit, auto-sensing
- Connectors: 16-bit PC/104 stackthrough connector RJ45 connector for 10Base-T, BNC connector for 10Base-2

Contact Advantech Today

The **PCM-3664** is available now. Use this part number for ordering and information inquiries.

PCM-3664-00B1: PC/104 10 Mbps single LAN Module w/BNC

Contact Advantech about the PCM-3664 PC/104 LAN solution or any other embedded solutions today or get in touch with your local Advantech representative to find out more. You can also send us an e-mail to epc@advantech.com.tw to get more information.

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Advantech will keep the existing PCM-5822 (PCM-5822-DOA1) with a GXLV-200 processor, and the PCM-5822-E0B1 with a Geode GX1-233 processor.

Here is a summary of the ordering information for PCM-5822



- **PCM-5822-D0A1** : NS Geode SBC with GXLV-200 CPU, Audio, VGA/LCD, TV-out and Ethernet
- **PCM-5822-G0B1** : Same as PCM-5822-D0A1 but with GX1-300 processor
- **PCM-5822-E0B1** : Same as PCM-5822-D0A1 but with GX1-233 processor.
- **PCD-100-0008** : Compact Flash Card with 8 MB memory capacity
- **PCD-100-0016** : Compact Flash Card with 16 MB memory capacity
- **PCD-100-0032** : Compact Flash Card with 32 MB memory capacity
- **9689000064** : 16 MB SDRAM SODIMM
- **9689000065** : 32 MB SDRAM SODIMM
- **9689000061** : 64 MB SDRAM SODIMM

Find out today

Contact Advantech today about and let us explain how the new GX1 processor and the PCM-5822 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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