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[New Socket 370 SBC](#)



Advantech's new PCM-9578 is a Socket 370 SBC designed with customer needs in mind. With the ability to accept Celeron or PentiumIII/ 512K processors up to 1.26GHz, and supply 3 or 4 10/100 Mbps Ethernet ports, the PCM-9578 is right at home in any network environment. [\(more....\)](#)

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[PCM-3291: Wherever You Go, There You Are](#)



The PCM-3291 GPS module is designed around sophisticated satellite technology to locate and track any location in the world, in real-time.... [\(more\)](#)

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Cadmobi supplies mobile computing platforms equipped with CAD and GIS software to architectural, construction, and GIS professionals in both government and private sectors in Taiwan. MobiPanel is a featured product. [\(read more...\)](#)

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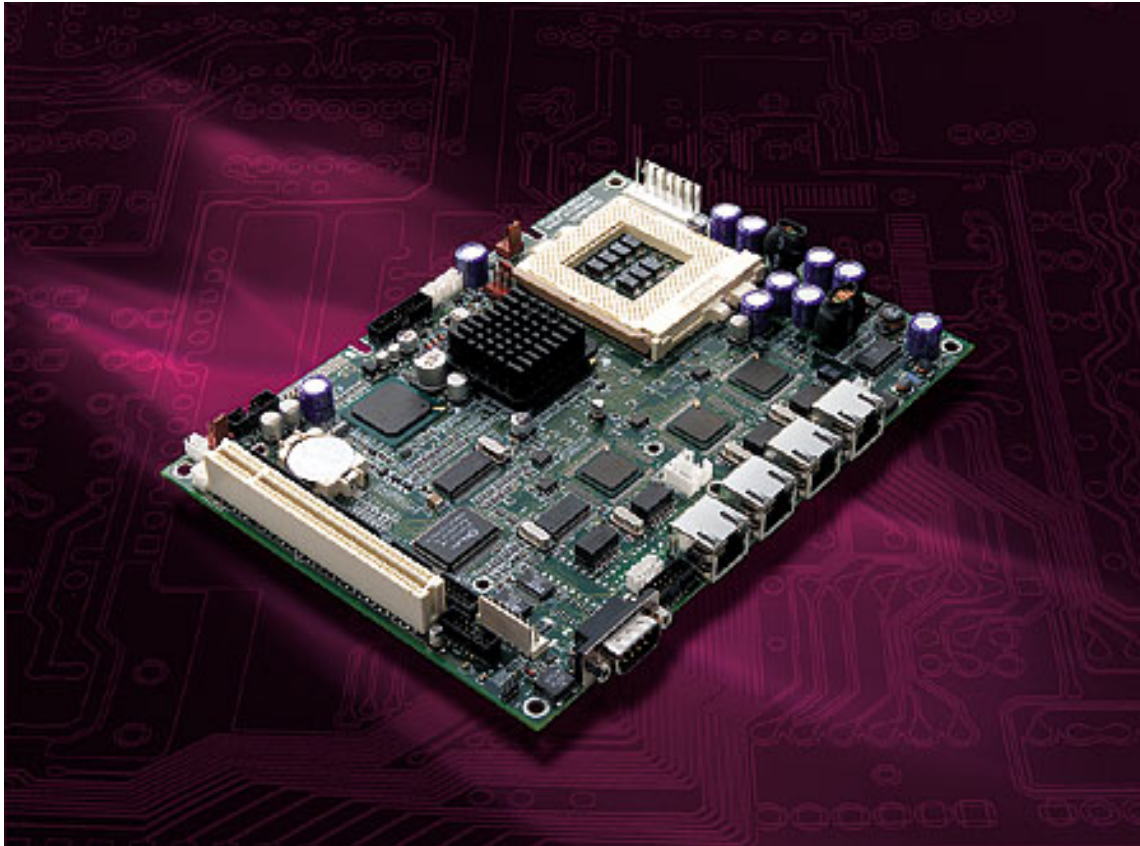
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PCM-9578: All-around Flexibility

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Advantech's new PCM-9578 is a Socket 370 SBC designed with customer needs in mind. With the ability to accept Celeron or PentiumIII/ 512K processors up to 1.26GHz, and supply 3 or 4 10/100 Mbps Ethernet ports, the PCM-9578 is right at home in any network environment. The PCM-9578 can be used as a triple Ethernet firewall/DMZ device or a four Ethernet port device that allows centralized management of a Secure Virtual Network, including firewall security and VPNs or PCI add-on cards for encryption acceleration. Applied in any network environment or in a stand-alone chassis supplied by Advantech, the PCM-9578 has the processing power and reliability to handle your mission critical, high availability applications.

Compact, yet Powerful

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The PCM-9578 is of course a powerful, compact, full featured (5.75" x 8") SBC that can be used in a multitude of embedded applications. However, certain features make it especially attractive for network administration. An optional LAN3, LAN4 bypass function makes sure customer network connections are maintained even in the unlikely event of board failure. VGA/LCD is unnecessary for many network applications. With the available COM port, administrators can simply connect a PC (console) for configuration. Scalable Ethernet lets users pay only for the Ethernet capacity they need. Order triple or quadruple Intel® 10/100 Mbps 82559ER controllers. And the LAN3-LAN4 redirection function is managed via the aforementioned serial port-connected PC console. The PCM-9578 offers GPIO support with 8-bit general-purpose, programmable Input/Output control.

Cool Options

The PCM-9578 sports three fan connectors—one for the CPU fan, and two for system fans. And there is a fan status LED connector as well; if any fan fails, the LED lights up.

Features

- Supports Pentium® III(Tualatin) /Celeron™ processors up to 1.26GHz
- Supplies scalable ethernet, 3 or 4 10/100 Mbps ports
- Optional LAN3–LAN4 bypass function
- Supports redirection function to control console via serial port
- PCI slot for hardware expansion
- 8 general purpose input/outputs (GPIO) .

Availability

Samples will be available November 15th, 2002.

Learn More

To find out how to put the PCM9578 to work for you, contact your nearest Advantech representative, or visit our website:

<http://www.advantech.com/ecg/>

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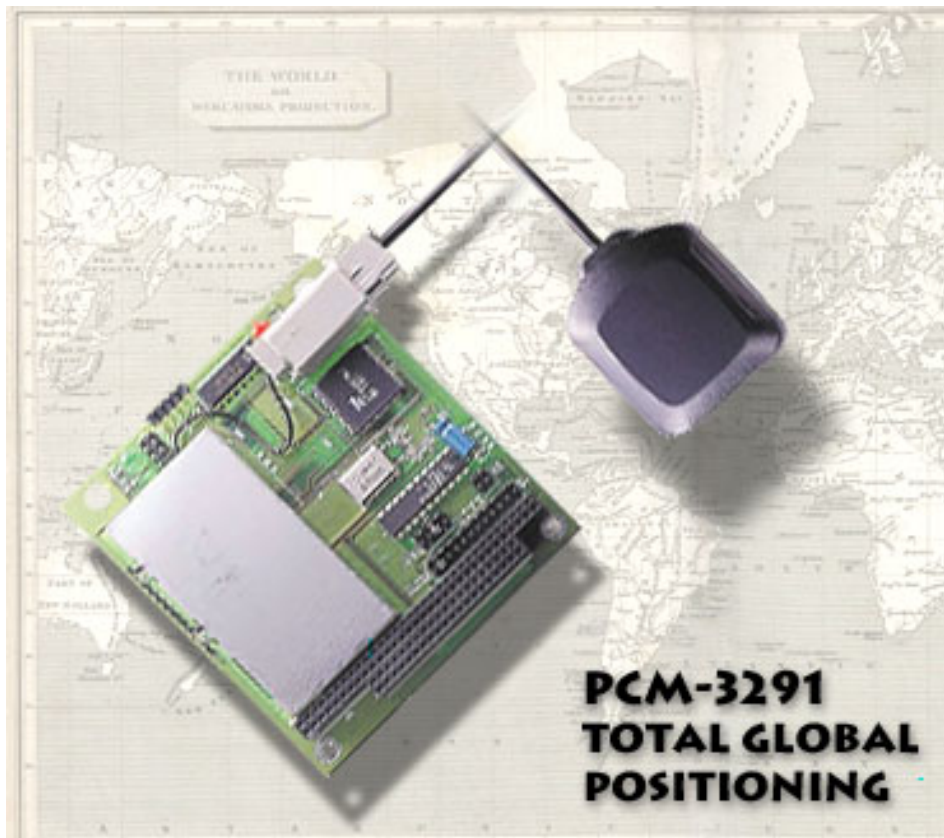
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The PCM-3291 GPS module is designed around sophisticated satellite technology to locate and track any location in the world, in real-time. Using a Rockwell® 12-channel GPS engine that provides differential DGPS input for maximum accuracy, the PCM-3291 offers a wide range of GPS functions such as position, navigation, satellite and timing information for use in embedded-PC navigation systems.

The PCM-3291 aids in avoiding getting lost. It is effective in all kinds of motor vehicles and boats. Can be linked with a map generating display.

It is also highly valuable in fleet tracking management. Managers

can see where their vehicles are at any time, and make plans or route deliveries accordingly. They can also stay alert to unauthorized activities. Of course anti-theft security is another important benefit. The PCM-3291 earns its keep many times over on those rare occasions when it makes stolen vehicle recovery swift and decisive.

Contact your local Advantech representative or go to our website at <http://www.advantech.com> to find out where the PCM-3291 fits into *your* map! Contact Advantech today!

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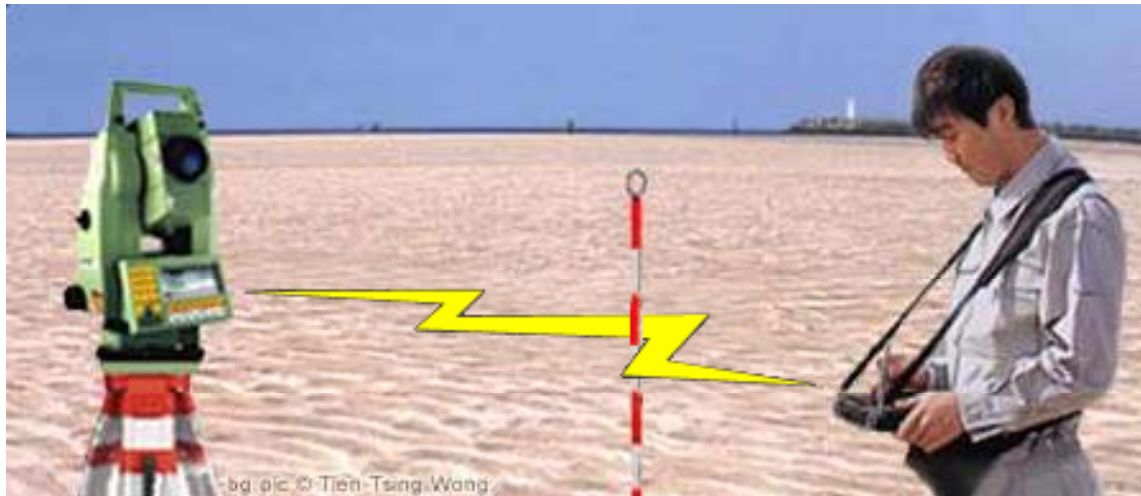
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Application Guide

MobiPanel in Taiwan



by: a/c © Tien-Tsing Wang

Advantech product used in this application: MPC-100
MobiPanel

Location: Taiwan

Customer: [cadmobi](#) Cadmobi supplies mobile computing platforms equipped with CAD and GIS software to architectural, construction, and GIS professionals in both government and private sectors in Taiwan.

Background: Surveyors and architectural engineers used to have to lug rolled drawings to outdoor sites to conduct their measurements and onsite building inspections. Now, with Cadmobi, a portable CAD platform conveniently stores many maps or drawings. And while notebook computers never quite had the durability to stand up to demanding construction or surveying environments, with the ruggedized Advantech MobiPanel, there is little concern about moisture, or dirt, or the hard knocks of life in the field. And MobiPanel's optional Transflective screen solves another outdoor problem. Sunshine. The transflective LCD screen provides good

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visibility under a wide range of lighting conditions, including bright sunlight.

A Brighter Day: So, no more lugging and juggling rolled paper plans, maps, and drawings. No more forgetting that important site plan when an entire database can be downloaded into the MobiPanel. No more setting up, drawing, knocking down, moving, setting up, drawing, knocking down, moving, etc. Now with Cadmobi, planning professionals can just about draw and walk at the same time.

But that's not all. In addition to AutoCAD compatible engineering drawing capabilities, the MobiPanel allows either direct or wireless connection to measuring devices, survey equipment, or GPS. GPS is one among several add-on options that is put to good use in GIS, survey, and building trades. With GPS, the touch of a button can automatically record global positioning information as part of the file.

With industrial strength -10 to +50° C (14 to 122° F) operation, up to 6 hours of continuous operation on a single charge, and a 10.4" high-brightness screen, the MobiPanel-based cadmobi is a truly noble mobile CAD station.

Contact your local Advantech representative or go to our website at <http://www.advantech.com> to find out how Advantech products fit into your future. Contact Advantech today!

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