

[Socket 370 Celeron/Pentium III POS SBC Introduced by Advantech](#)

Advantech is introducing a new POS (Point of Sale) SBC designed for special OEM and other high-end multimedia applications. The POS-760F is a powerful addition to the Advantech POS SBC line. The POS-760F utilizes a LPX form factor (Socket 370) design that supports Celeron™ processors up to 500 MHz as well as provides 100 MHz FSB bus support for Pentium® III processors.



Product Update

[Palm-size Low-power 586-level SBC offers High Quality TV-out Capability](#)



Advantech Co. Ltd. continues to expand its product line by introducing an exciting new low-power 3.5" HDD-size SBC with an on-board 586-level processor and TV-out capability. Based on the already successful PCM-5820E SBC, the new PCM-5822 has added a powerful state-of-the-art TV-out function that is a cost-effective solution that provides better signal transmission quality to TV screens over longer distances than regular LCD displays.

Technology Section

[PCM-5820 Provides Palm-size, 586 Class QNX Solution](#)

Advantech participates in the QNX Partners Program, our new QNX-compatible PCM-5820 Series product is a 3.5" Palm-size SBC with an on-board 586 class NS GXM-233 or low-power GXM-200 processor. On-board features include VGA/LCD, LVDS, Audio, 10/100Base-T Ethernet and a CompactFlash™ card socket. QNX can be booted from the IDE interface CompactFlash™ card, eliminating the need for a hard drive. This board is a feature-packed solution for space critical applications.

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[Cebit 2000: It's Show Time!](#)

The first major event of the IT industry for the new Millennium is just around the corner. CeBIT 2000 will begin on February 24th in Hannover, Germany. The Advantech Embedded Computing Group will be there and is prepared to show its newest, most advanced products at Booth E63 in Hall 13.



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Advantech is introducing a new POS (Point of Sale) SBC designed for special OEM and other high-end multimedia applications. The POS-760F is a powerful addition to the Advantech POS SBC line. The POS-760F utilizes a LPX form factor (Socket 370) design that supports Celeron(™) processors up to 500 MHz as well as provides 100 MHz FSB bus support for Pentium® III processors. This effective LPX Socket 370 solution gives end users the choice of good, economical performance with the Celeron™ series processors, or the impressive performance of the Pentium III series. Also,

compared to Slot 1 solutions, the Socket 370's lower profile allows for a lower board height, critical to embedded systems applications. This processor flexibility combined with all the other on-board features, explains why the POS-760F is the new top-of-the-line POS solution at Advantech.

Powerful Features

The POS-760F is loaded with special on-board features that rival full-size systems. It has standard 10/100Base-T PCI Ethernet, 36-bit XGA TFT LCD panel support as well as SSD support for DOCR 2000 and CompactFlash(™). There is a Mini PCI socket for optional international version modem, plus optional support for AC97 3D stereo surround sound with speaker-out, CD-input, line-in, line-out and microphone. The POS-760F also includes two 168-pin DIMM sockets for up to 512 MB total on-board memory.

Gaining Knowledge From Our Customers

The POS-760F was designed using feedback and knowledge gained from our customers. It has more of the features our customers have requested. It is 100% PC compatible and is ready to handle the most challenging POS environments. Besides the great onboard memory flexibility and capacity, the POS-760F has four on-board serial ports, each with +5/+12 V power, two USB connectors, watchdog timer and tough industrial grade construction. The Award 256 KB Flash BIOS supports Plug & Play, Boot from Ethernet, Boot from CD-ROM, Boot from Zip drive, Wake-on-Lan, Modem and LCD backlight turnoff. All these features make the POS-760F a very "system integrator friendly" solution, perfect for handling POS applications in the harshest unmanned environments.

Availability

Pricing information and sample orders are available now, while regular orders can be placed with any Advantech representative. Advantech feels the POS-760F gives our customers more power to handle their most creative and demanding POS needs. We invite you to go to <http://www.advantech.com/epc> to find out more about the POS-760F, or any other Advantech product. Or call or visit your local Advantech sales representative to find out more.

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Digital PC to TV Encoder is a "Next Generation" Product

The digital PC to TV encoder on the PCM-5822 is a stand-alone integrated circuit that accepts a pixel data stream from a compatible VGA controller and converts it directly into NTSC or PAL TV format, with simultaneous Composite and S-Video outputs. The encoder also supports 640 x 480 and 800 x 600 input resolutions in a Windows 95/98 and Windows NT operating environment. This translates into high quality TV output that has been previously unheard of in small SBCs.

Low Power Consumption & Full-Featured

The PCM-5822 also utilizes a new switching power regulator and low power GXM LV (GXM-200/2.2V) processor. This allows the PCM-5822 to consume only 8 Watts with 64 MB system memory. Compared to conventional Biscuit PC boards, which normally consume around 20 W, these power savings contribute to overall efficiency and help retain fanless operation that is critical in space-restricted applications. Other on-board features include VGA/LCD, Audio, 10/100Base-T Ethernet and a CompactFlash™ socket. All these features make the PCM-5822 a small, powerful, full range product capable of performing well in the most demanding space-critical applications. Applications might include various mobile and automotive applications, security and transportation, smart build applications, entertainment, or any function where video use might be applied on a network-based system.

Availability

Pricing information and sample orders are available now, while regular orders can be placed with any Advantech representative. If you are looking for a full-featured SBC that can also provide high quality TV output, check out the new PCM-5822. Go to <http://www.advantech.com/epc> for more information on the PCM-5822 or call your local Advantech sales person to find out more.

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card, eliminating the need for a hard drive. This board is a feature-packed solution for space critical applications.

The PCM-5820 combines a new switching power supply with the low-power GXM-200 processor, which greatly reduces power consumption and operating temperature. Combined with on-board LVDS that extends LCD panel distance to 12 meters and supports either 18-bit or 36-bit resolutions up to 1024 x 768 TFT LCD, the PCM-5820 is a powerful multimedia platform ready to handle an array of embedded applications. To find out more about the PCM-5820 Series or any other Advantech product, visit www.advantech.com/epc, we want to be your embedded solution provider.



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The Advantech EC Group provides embedded computing solutions that fulfill system integrators' application needs. For board-level products, we will present high-speed and high-performance single board computers (SBCs) that support 2x AGP and 3D VGA, video/TV /audio functions, increased network functionality as well as low power consumption.

For system solutions, our new 15" panel PC, the PPC-153T, which can support Intel™ Celeron CPUs up to 500 MHz, plus offer optional resistive, capacitive or SAW touchscreens, will be displayed. With its powerful computing capacity and highly integrated I/O interface, this network-ready product is an ideal platform for information terminals and kiosk systems.

In addition to the exhibition, the EC Group will also hold a Pan-European Distributor Conference at the ParkHotel Kronsberg in Hannover on February 26th. We have invited our major distributors and business partners in Europe to join this conference to update them on the most recent developments on Advantech's business operations and products. Since Advantech launched its on-line ordering system last July, we are sure e-Business will be a major topic. This conference is a great medium to share experience and hold discussions on this as well as other topics. We look forward to your participation and seeing all of you at our booth at CeBIT.



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