



MICRO INDUSTRIES
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News Release

FOR IMMEDIATE RELEASE

**MICRO INDUSTRIES INTRODUCES A NEW
PICMG PASSIVE BACKPLANE CPU BOARD
FEATURING INTEL CELERON PROCESSOR TECHNOLOGY**

**686PCI/64P3 Provides Cost Effective Performance Enhancements for
OEMs Incorporating PICMG Form Factors into a Wide Range of
Embedded Solutions**

“The Celeron processor is Intel’s most popular processor for value PCs. Manufacturers such as Micro Industries, which was one of the first companies to introduce boards based on this architecture, offer OEMs an opportunity to utilize increased power with reduced costs, which ultimately delivers more value to consumers.”

Joe Jensen
Director of Marketing
Intel Embedded
Microcomputer Division

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Westerville, Ohio, June 2, 1999 — Micro Industries Corporation today introduced the 686PCI/64P3, a new PICMG passive backplane CPU board featuring Intel® Celeron™ processor technology. The 686PCI/64P3 provides a high performance single board solution for OEM and industrial PC-compatible applications in a wide range of embedded solutions including imaging, industrial control and monitoring, telecom, telephony, and data acquisition. Micro Industries is an electronics manufacturing services (EMS) company that provides electronic engineering and manufacturing resources to OEMs.

“The Intel Celeron processor delivers high performance for value-conscious developers of dedicated and connected performance-driven applications,” said Joe Jensen, director of marketing, Intel Embedded Microcomputer Division. “The Celeron processor is Intel’s most popular processor for value PCs. Manufacturers such as Micro Industries, which was one of the first companies to introduce boards based on this architecture, offer OEMs an opportunity to utilize increased power with reduced costs, which ultimately delivers more value to consumers.”

“The 686PCI/64P3 is designed with the Celeron processor and the Intel BX Chipset technology, which offer significant performance enhancements over Pentium and 486 designs, and a higher level of integration over previous products,” stated Michael Curran, president and CEO of Micro Industries. “With this new product, we are offering OEMs remarkable power, speed, and value, coupled with our long term support.”

(more)

The 686PCI/64P3 is based on the Intel Celeron 370-pin PPGA (plastic pin grid array) socket processors. This full-featured single board solution supports all the standard PC functions as well as several high performance interfaces such as PCI SCSI, 10/100 bit Ethernet, and graphics accelerator.

686PCI/64P3 Features

- ◆ *Intel BX Chipset and Celeron Processor:* Support of Intel Celeron Socket-370 compatible processors up to 466MHz, up to 512MB DRAM, and AGP video offers OEMs the latest in speed, performance, and value.
- ◆ *Symbios 875 Ultra SCSI Controller:* This PCI SCSI controller, which supports Ultra SCSI transfers up to 40MB per second and 8 or 16-bit devices, is an extension of the SCSI-2 standard that expands the bandwidth of the SCSI bus and allows faster synchronous SCSI transfer rates. It is designed for reliable operation in all cabling environments.
- ◆ *Intel 82559 Ethernet Controller:* Intel's highly integrated 32-bit PCI LAN controller for 10 or 100 MB per second fast Ethernet networks is the company's leading solution for PCI LAN designs. It combines a small package design with low power expenditure to conserve energy.
- ◆ *Intel 69000 Graphics Controller:* This highly integrated graphics controller for embedded and industrial PC applications is integrated with 2MB SDRAM display memory. It is the first member of the HiQVideo™ family to integrate high speed SDRAM frame buffer memory into the chip, delivering uncompromised performance and at the same time consuming much less power than the discrete solution.
- ◆ *M-Systems DiskOnChip® 2000:* This high performance single-chip flash disk is available in 2-72MB capacities. It is designed to offer a better, faster, and more cost-effective data storage solution for single board computers.

Availability and Pricing

The 686PCI/64P3 is available now worldwide. Pricing starts at \$495 (U.S.) in OEM quantities (without processor and memory). Variations in pricing are based on configured options. Prices are subject to change without notice. Products can be ordered by calling Micro Industries' Customer Service Department at 800-722-1842. A complete listing of product features is included in the attached table. For more information, visit www.microindustries.com.

About Micro Industries

Micro Industries Corporation, founded in 1978, is an electronics manufacturing services (EMS) company that provides electronic engineering and manufacturing resources to OEMs. Micro Industries helps customers translate their product requirements into low-cost standard, custom, and semi-custom product solutions for embedded and integrated computer systems. The 52,000 square foot facility in Westerville, Ohio serves as corporate headquarters, and houses an EPA Zero Discharge manufacturing facility that meets both ISO 9001-94 and ISO 14001 standards. The manufacturing facility has fully automated conventional and surface mount assembly lines for both prototype and production requirements. Micro Industries employs a dedicated staff of engineers focused on product design. For more information visit www.microindustries.com.

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Micro Industries Corporation Complete Listing of Product Features

686PCI/64P3

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| Form factor | PICMG SBC (13.330" x 4.800") per PICMG standard Revision 2.0, ref Figure 1. |
| Processor | Intel® Celeron™ 370-Pin PPGA Processors |
| Chipset | Intel ® 82440BX, consisting of: <ul style="list-style-type: none"> • Intel ® 82443BX PCI/AGP controller (PAC) • Intel ® 82371EB PCI ISA IDE Xcelerator (PIIX4E) |
| Memory | <ul style="list-style-type: none"> • Two 168 pin dual inline memory module (DIMM) sockets • Support for up to 256 MB of 66 MHz or 100 MHz synchronous DRAM (SDRAM) |
| Cache | 128Kbyte On-Processor, unified, non-blocking, level-two cache |
| Flash Disk | M-Systems DiskOnChip®2000 <ul style="list-style-type: none"> • 2-72MB capacity • Full Boot Operability • Broad O/S Support |
| Ethernet Controller | Intel 82559 <ul style="list-style-type: none"> • PCI 10BASE T / 100Base TX interface Ethernet Controller • RJ45 Interface |
| SCSI | Symbios 53C875 <ul style="list-style-type: none"> • PCI Ultra SCSI Controller • 68-Pin Ultra SCSI Interface |
| Video | Intel, CHIPS 69000 HiQVideo™ Accelerator <ul style="list-style-type: none"> • 2 MBytes of high speed SDRAM on-chip frame buffer |
| I/O Control | SMC FDC37C932FR |
| Peripheral Interfaces | <ul style="list-style-type: none"> • Two 16550 serial ports • PS/2 Keyboard/Mouse • One parallel port bi-directional, ECP (IEEE 1284) • Two USB ports • Two fast IDE interfaces that support up to four IDE drives • Diskette drive |
| Additional Features | <ul style="list-style-type: none"> • Real Time Clock with battery backup • Two-stage Watchdog Timer • APC (Advanced Power supply Control) • Enhanced Power Management • BIOS Extensions for (I²C, ASM) |
| BIOS | <ul style="list-style-type: none"> • 256KB Flash Memory • ACPI, APM, and Plug and Play • Flash re-programming and Crisis Recovery utilities |