



NEWS RELEASE

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MICRO INDUSTRIES' NEW mATX815E MOTHERBOARD STABILIZES SERVERS AND HIGH-PERFORMANCE DESKTOP SYSTEMS

Intel Technology Ensures Long-Term Availability

Westerville, Ohio — Feb. 4, 2002 — Micro Industries today announced the release of its mATX815E, a motherboard that uses innovative Intel technology to provide long-term stability and support in high-performance communication environments.

When designing the mATX815E, Micro Industries sought components that were compatible with today's technology, and versatile enough to change with its customers' growing needs. "We wanted to offer our customers an ATX-based motherboard that would accommodate their needs now and well into the future," said Michael Curran, president and CEO of Micro Industries. "The mATX815E accomplishes these goals, giving customers support for both current and emerging applications."

At the heart of the mATX815E is the Intel® 815E chipset, which handles the functions of the graphics controllers, local area network (LAN) interconnects, and audio cards on one standardized platform. With the chipset on board, the mATX815E is able to deliver accelerated graphics port (AGP)-style graphics, dual USB controllers, and a dedicated bandwidth for multimedia and Internet functions. The 815E chipset provides twice the bandwidth of the PCI bus, as well as dedicated data paths for guaranteed packet delivery to avoid potential PCI bottlenecks, clearing the way for smooth e-business, video conferencing, and Internet access.

Anchoring the board are Intel Pentium® III or Celeron™ processors, plus dual Intel 10BASE-T/100BASE-TX Ethernet controllers, which give the mATX815E the stability needed to balance surging network traffic. When paired with networking software, the controllers can be programmed to share heavy traffic loads for greater throughput, fewer network slowdowns, and better network stability than standard single-controller products.

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Micro Industries' mATX815E features:

- *Intel® Celeron™ and Pentium® III Processors and 815E Chipset:* The mATX815E supports Intel Celeron processors with 128 KB integrated cache and Intel Pentium III processors with 256 KB integrated cache, and three 168-pin DIMM sockets provide up to 512 MB of SDRAM. The 815E chipset includes two Ethernet controllers and internal AGP-style graphics.
- *ATX Form Factor:* This form factor provides a flexible I/O interface via a 6.25-inch x 1.75-inch rear I/O panel and stackable connectors. It also provides a flexible format for front panel I/O connections without interfering with expansion. The mATX815E is based on a 12-inch x 9.6-inch ATX form factor, and fits into 1U, 2U, and 4U rackmount and tower desktop chassis, all available from Micro Industries.
- *Dual Ethernet:* Two Ethernet controllers for greater network throughput and fewer slowdowns.
- *Hardware Monitoring:* National Semiconductor® LM80 Microprocessor System Hardware Monitor monitors six voltages and two fan speeds.
- *Graphics:* The 815E chipset directly supports AGP graphics, alleviating the need for an additional graphics controller. A Digital Video Output (DVO) connector supports a Molex® Digital Visual Interface (DVI) card for DVI drive capability. DVI eliminates the need for digital-to-analog conversion and offers an enhanced graphics experience for high-performance PCs.
- *Four USB Ports:* Support for up to 127 physical devices needed for a complete high-performance system package.
- *Additional Features:* Watchdog timer, two EIDE channels, floppy disk drive interface, PS/2 keyboard/mouse interface, Real Time Clock with battery backup, Advanced Power supply Control (APC), and Advanced Power Management.

Availability and Price

The new product is available immediately in the United States and Europe. Volume OEM pricing is \$395 (U.S.). Smaller quantities are available at higher prices. Prices are subject to change without notice. Products can be ordered by calling Micro Industries' Customer Service Department at 800-722-1842.

About Micro Industries

Micro Industries Corporation, founded in 1978, is an electronics manufacturing services (EMS) company that provides electronic engineering and manufacturing resources to original equipment manufacturers (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. Micro Industries also supports an Internet-based company that features free online tools OEMs can use to design circuit board assemblies and systems and accelerate new product development. The website for this wholly-owned subsidiary, Sweetcircuits, Inc., is located at sweetcircuits.com. For more information about Micro Industries, please visit www.microindustries.com.

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Micro Industries Corporation
mATX815E: ATX Motherboard with Dual Ethernet
Complete Listing of Product Features

Form factor	ATX (12.0" x 9.60")
Processor	Intel® Pentium® III and Celeron™ Socket 370-pin Flip Chip Processors
Chipset	Intel 815E chipset with: <ul style="list-style-type: none"> • 82815 Graphics and Memory Controller Hub (GMCH) host bridge • 82801BA I/O controller hub (ICH2) • 82802AB 4 Mbit firmware hub
Memory	<ul style="list-style-type: none"> • Three 168-pin dual inline memory module (DIMM) sockets • Support for up to 512 MB of synchronous DRAM (SDRAM)
Ethernet Controllers	<p>Intel 82559ER</p> <ul style="list-style-type: none"> • PCI 10BASE-T/100BASE-TX interface Ethernet controller • RJ-45 interface <p>Intel 82562ET/EM</p> <ul style="list-style-type: none"> • PCI 10BASE-T/100BASE-TX interface Ethernet controller • RJ-45 interface
Sound	<p>SigmaTel™ STAC9721T AC'97 sound chip (optional)</p> <ul style="list-style-type: none"> • Line in/Line out/Speaker out/Mic in
Video	<p>AGP video integrated into Intel 815E chipset</p> <ul style="list-style-type: none"> • DVO connector supports Molex® DVI card for DVI drive capability
Hardware Monitor	<p>National Semiconductor® LM80 Microprocessor System Hardware Monitor</p> <ul style="list-style-type: none"> • 6 voltage inputs • 2 fan speed monitoring inputs
I/O Control	SMC® LPC 47B272 I/O Controller
Peripheral Interfaces	<ul style="list-style-type: none"> • Two 16550 serial ports, two RS-232 • PS/2 Keyboard/Mouse • Bi-directional parallel port • Four USB ports on rear panel • Floppy disk drive
Additional Features	<ul style="list-style-type: none"> • Real Time Clock with battery backup • Advanced Power supply Control (APC) • Advanced Power Management (APM) • MAXIM 695 Watchdog Timer • LM80 SMBus voltage and temperature monitor
BIOS	<ul style="list-style-type: none"> • 4 Mbit 82802AB Flash memory hub • APM, and Plug and Play • Flash re-programming and Crisis Recovery utilities