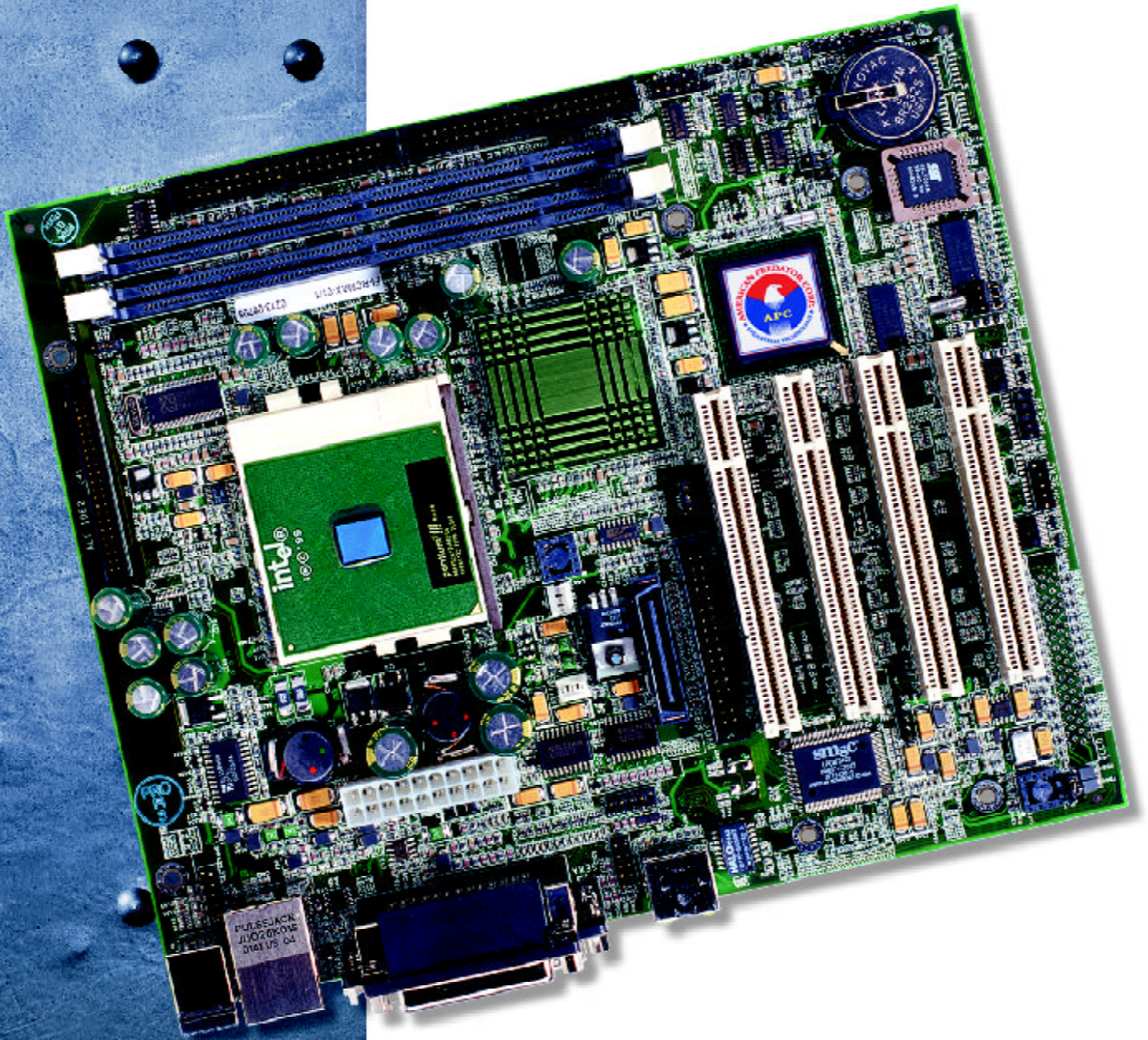


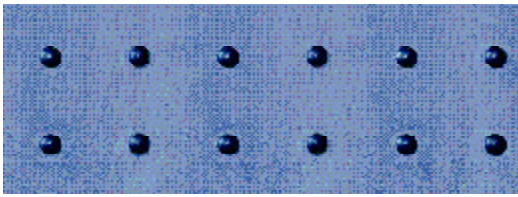
Raptor Micro ATX™

All-In-One Industrial Controller featuring
Dual Ethernet, VGA, LCD and Quad Serial



- Embedded Controller
- Open Architecture
- Mission Critical
- Industrial Grade
- Celeron™/Pentium® III
- Consistency





Raptor Micro ATX™ is the applied computing industry's first motherboard based on the new **Intel® 82801E Communications I/O Controller Hub (C-ICH)**.

American Predator's newest industrial motherboard delivers a broad range of I/O capabilities, multiple Ethernet ports and scalable processing performance—a virtual “wish list” for the networking and telecommunications industries.

The combination of the Intel® C-ICH with the Intel® 815 Graphics and Memory Controller Hub (GMCH) provides the Raptor Micro ATX with high integration and flexibility. The 815 GMCH features built-in graphics and digital video out required by some applications, while the high integration of the C-ICH eliminates the requirement for separate Ethernet controllers and additional I/O cards. American Predator consolidates high levels of I/O and networking functionality into a compact 9.6" x 8" six-layer board.

With support for Intel® Pentium® III and Celeron™ processors, the C-ICH provides a scalable, high-integration platform that enables American Predator to target a wide variety of custom-designed price/performance solutions. Dual integrated Ethernet media access controller functionality and integrated serial universal asynchronous receiver transmitters (UARTs) reduce system costs by eliminating the need for additional add-on cards.

American Predator products are specifically engineered to operate under diverse environmental ranges. APC guarantees product longevity of five to eight years of production life cycle for all designs.



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Proudly Made in the USA

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Technical Specifications

Form Factor	Micro ATX (9.6" x 8")
Microprocessor	Supports FC-PGA and FC-PGA2 Intel® Pentium® III and Intel Celeron® Processors (Socket 370)
Chipset	Intel® 815E + 82801E (C-ICH) chipset
System Bus	Four (4) PCI slots (32-bit/33MHz)
On board I/O	Two (2) 40-pin IDE connectors One (1) 44-pin IDE connector Four (4) standard RS232 serial ports Two (2) factory configurable RS422/485 serial ports Two (2) Universal Serial Bus ports (USB 1.1) One (1) parallel port ECP/EPP Floppy support PS/2 mouse and PS/2 keyboard connectors Auxiliary Keyboard/Mouse header for front panel access
Graphics	VGA embedded in chipset (Shared memory) Digital Video Output (DVO) header Optional native LCD, LVDS and DVI support
Memory	Two (2) DIMM sockets support up to 512MB SDRAM
Ethernet	Two (2) 10Base-T/100Base-TX Ethernet
Industrial Devices	Hardware Monitoring
Power Management	Soft power button
BIOS	General Software Embedded BIOS 2000. Custom Solutions Available
Battery	Removable lithium battery for CMOS memory 114 bytes of extended CMOS RAM
Power Connector	ATX power supply
Environmental Specifications	Temperature 0°C to +55°C - operating -40°C to +65°C - non-operating Humidity 5% to 95% @ 40°C



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