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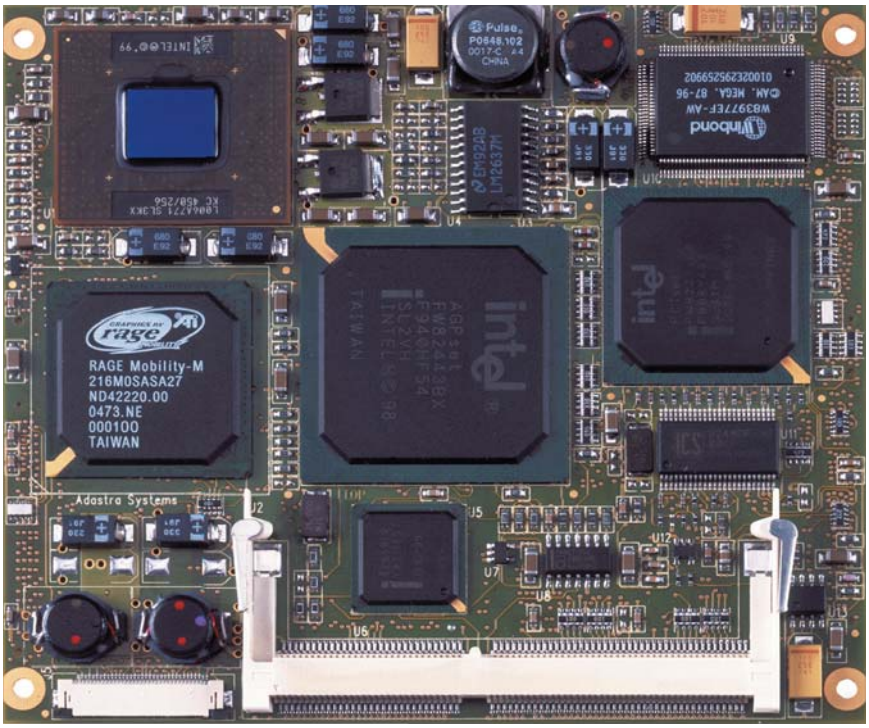
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ETX-P3



original size

Embedded Technology eXtended

- Intel® Pentium® M Processor with ATI® dedicated graphics
- Highly integrated and fast
- Scaleable and interchangeable

Product Overview

The **ETX**-P3 (Embedded Technology eXtended) is an extremely compact Intel® Pentium® III or Celeron® processor based module. It uses low power (mobile) processors, eliminating the need for active cooling in many applications. The **ETX**-P3 includes onboard sound, Ethernet, and high-speed AGP graphics subsys-tems as well as a full complement of standard PC I/O. The SoundBlaster™ compatible sound chip is supported by most operating systems. The Ethernet controller of the **ETX**-P3, also with extensive operating system support, is a 10/100 Mbit interface. Additional onboard communication interfaces include two serial TTL ports, an EPP/ECP parallel port, and two USB ports. The ATI® Rage Mobility AGP video controller operates CRT monitors as well as LVDS LCD panels at 16 bits per pixel (4MByte video RAM version). Access to all I/O signals is through the ETX board-to-board interface connectors. The interface also includes both the ISA and PCI bus.

ETX modules are like components, plugging on to an application specific baseboard supplying the core CPU and memory subsystems together with sound, video, Ethernet and standard PC I/O. They connect to the rest of the embedded system through high-density, low profile, surface-mount connectors, which carry both ISA and PCI bus signals as well as dedicated I/O interfaces. The mechanics of the interconnection is such that an ETX/baseboard combination is virtually the same height as a one board solution. ETX modules are scaleable and interchangeable. ETX enables rapid development of semicustom solutions for embedded applications.

.... always a Jump ahead!

Technical Information

Processor	Intel® Mobile Pentium® III or Celeron® Processor
DRAM	1xSO-DIMM socket, 256MByte max.
Cache	256K/ 128 kByte 2nd Level
Harddisk	Two enhanced IDE ports Ultra DMA-33 capable
Sound	SoundBlaster™ compatible ESS Solo-1 based PCI, Line level input/ output and Microphone
Video Controller	Rage Mobility based VGA controller LVDS Flatpanel and CRT output, 4/8 MByte Video RAM on Chip, simultaneous and independent operation of LCD and CRT monitor, motion compensation and IDCT for MPEG2/DVD decoding
Resolutions CRT and LCD	VGA 640x480 32 Bit, SVGA 800x60032 Bit, XGA 1024x768 32Bit (8MByte) SXGA 1280x1024 32Bit (8MByte), UXGA 1600x1200 32Bit (CRT only)
LCD Panel Support	Dual Channel LVDS 110 MHz

Serial Interfaces	2x TTL (16550 compatible)
Parallel Port	one enhanced port
Floppy Port	shared with LPT
Ethernet	10/100Base-T Intel® 82551ER
USB	2x USB 1.1 OHCI ports
Expansions	ETX Interface
Dimensions	100 x 114 mm (3.9 x 4.5“)
Low Power Consumption	15W @ 5V typical with 700 MHz CPU
Temperature (*)	operation: 0° to 60°C, storage: -10° to 85°C
Humidity	operation: 10% to 90%, storage: 5% to 95% (non condensing)

(*) see manual for details

Ordering Information

Article	Part.-No.	Description
ETX-P3	18002-0000-50-0	Intel® Pentium® III 500 MHz, video, Ethernet, sound
ETX-P3	18002-0000-70-0	Intel® Pentium® III 700 MHz, video, Ethernet, sound
ETX-C3	18002-0000-40-1	Intel® Celeron® III 400 MHz, video, Ethernet, sound
ETXeval	18010-0000-00-0	ATX Baseboard for ETX modules
ETX-P3-DOC	96035-0095-00-0	Manual for ETX-P3 CPU module, all versions incl. Celeron®
SDRAM-SODIMM-64M	97005-6400-00-0	SDRAM SODIMM memory module with 64 MByte
SDRAM-SODIMM-128M	97005-1280-00-0	SDRAM SODIMM memory module with 128 MByte
SDRAM-SODIMM-256M	97005-2560-00-0	SDRAM SODIMM memory module with 256 MByte

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