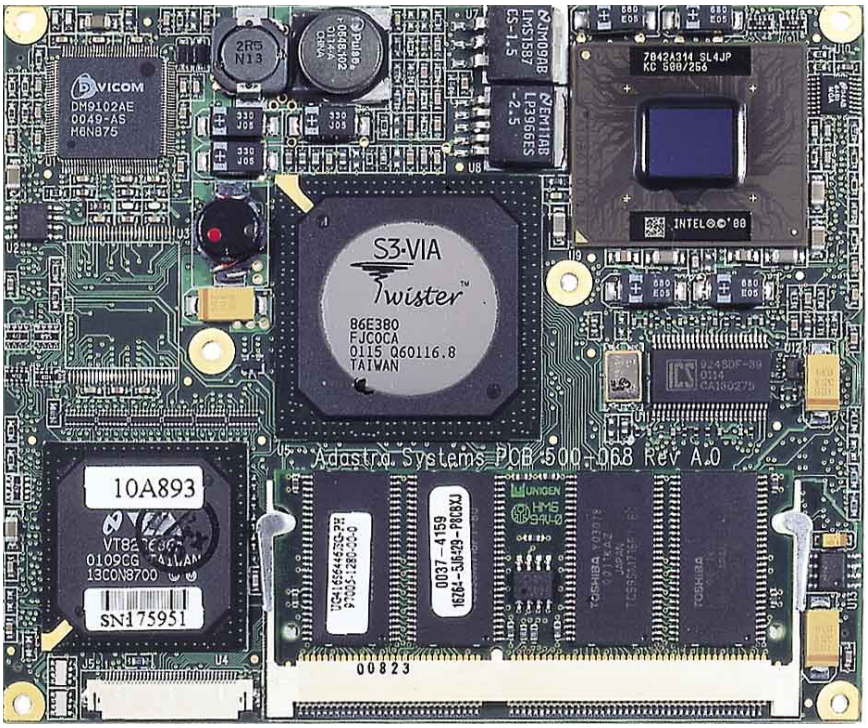
ETX-P3e



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Intel® Communications Alliance Associate Member SILVER

Embedded Technology eXtended

- Reduced power consumption
- Highly integrated
- Scaleable and interchangeable

Product Overview

The new **ETX**-P3E component SBC module supports Intel® Mobile Pentium® III and Celeron™ processors (300/ 400/ 500/ 700 MHz) processor. Reduced power consumption is achieved using both ACPI and APM 1.2 for power management. With the VIA VT8603/ VT82C686A as the core chip set, the **ETX**-P3E provides both S3 Savage4 graphics and VIA enhanced audio. In addition to standard ETX features, the **ETX**-P3E supports four USB ports, up to 512MB SDRAM, 10/ 100Base-T Ethernet, keyboard/ mouse controllers, real-time clock, and watchdog timer.
ETX modules are like components, plugging in to an application-specific baseboard. The ETX modules supply the core CPU and memory subsystems together with sound, SVGA, 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 as height a one-board solution. ETX modules are scaleable and interchangeable, and they make possible the rapid development of semi-custom solutions for embedded applications.

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Technical Information

Processor	Intel Mobile Pentium III or Celeron 300/ 500/ 700 MHz, 100 MHz Bus
DRAM	One SO-DIMM socket, 512 MByte max. PC100/ PC133
Cache	256K/ 128 kByte 2nd Level
Harddisk	Two enhanced IDE ports
Sound	SoundBlaster™ compatible AC97, based audio, Line-level input/output and Microphone
Video Controller	Savage S4 (VT8603) AGP controller, LVDS Flatpanel and CRT output, up to 32 MByte UMA Video RAM
Resolutions CRT	VGA 640x480 32 Bit, SVGA 800x600 32 Bit, XGA 1024x786 32 Bit, SXGA 1280x1024 32 Bit, UXGA 1600x1200 32 Bit
Resolutions LCD	VGA 640x480 18 Bit, SVGA 800x600 18 Bit, XGA 1024x786 18 Bit, SXGA 1280x1024 18 Bit
LCD Panel Support	Dual Channel LVDS 110 MHz

Serial Interfaces	2x TTL (16550 compatible), IrDA support
Enhanced Parallel Port	shared with Floppy
Floppy Port	shared with LPT
Ethernet	10/100Base-T Davicom DM9102A
USB	4x USB 1.1 OHCI ports
Expansions	ETX Interface
Dimensions	95 x 114 mm (3.7x4.5")
Power Consumption	15W typical @ 5V 700 MHz
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-P3E/700	18005-0000-70-0	Enhanced Intel® Pentium® III, 700 MHz, Ethernet
ETX-P3E/500	18005-0000-50-0	Enhanced Intel® Pentium® III, 500 MHz, Ethernet
ETX-C3E/300	18005-0000-30-1	Enhanced Intel® Celeron™, 300 MHz, Ethernet
ETXeval	18010-0000-00-0	ATX Baseboard for ETX modules
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
SDRAM-SODIMM-512M	97005-5120-00-0	SDRAM SODIMM memory module with 512 MByte

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