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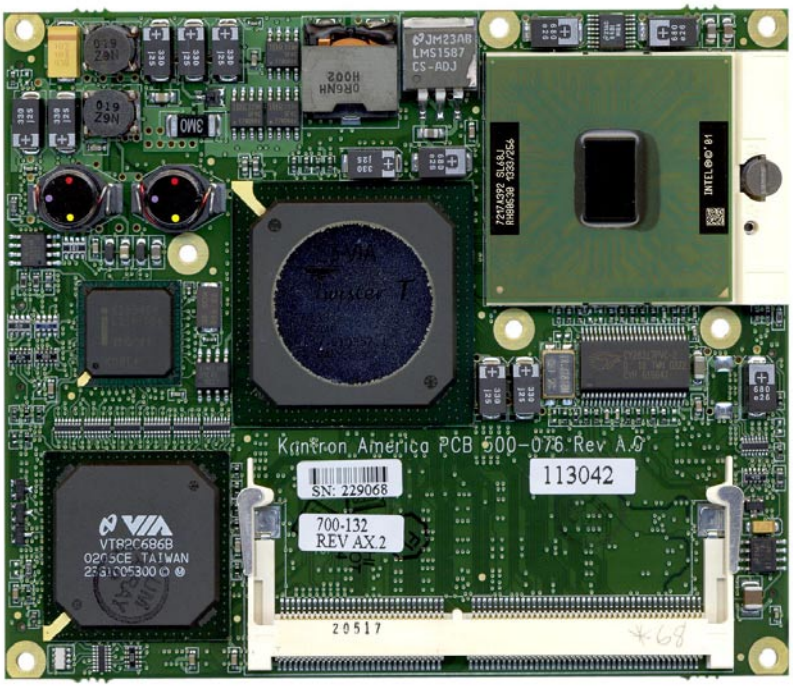
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ETX-P3m



original size

- **E**mbedded **T**echnology e**X**tended
- From Intel® Celeron® 400MHz up to Intel® Pentium III m 933 MHz
- Reduced power consumption
- Scalable and interchangeable

Product Overview

The new **ETX**-P3m component SBC module is based on the VIA Eden Platform, using the Twister-T™ chipset and powerful Intel® Processors. Reduced CPU voltage and speed-step support ensure the highest performance achieveable on ETX at reasonable power consumption. Improved power management is achieved using both ACPI and APM 1.2 allowing for fanless-cooling and extended battery life. With the VIA VT8606/ VT82C686A as the core chip set, the **ETX**-P3m provides both S3 Savage 4 graphics and VIA enhanced audio. In addition to standard ETX features, the **ETX**-P3m supports four USB ports, up to 1 GByte 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 in height as a one-board solution. ETX modules are scaleable and interchangeable, and they make possible the rapid development of semi-custom solutions for embedded applications.

...always a Jump ahead!

Technical Information

Processor	
ETX-P3m 4000	Celeron® 400 MHz
ETX-P3m 6500	Celeron® 650 MHz
ETX-P3m 9330	Pentium® III-m 933 MHz
ETX-P3m 12000	Pentium® III-m 1.2 GHz
DRAM	
1 GByte max.	
Cache	
512K/ 256 kByte 2nd Level	
Harddisk	
Two enhanced IDE ports	
Sound	
SoundBlaster™ compatible, Line-level input/output and Microphone	
Video Controller	
Savage S4 (VT8606) AGP controller, LVDS Flatpanel and CRT output, up to 32 MByte UMA Video RAM	
Resolutions CRT and LCD	
VGA 640x480 32 Bit, SVGA 800x600 32 Bit, XGA 1024x786 32 Bit, SXGA 1280x1024 32 Bit, UXGA 1600x1200 32 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 Intel® 82551ER	
USB	
4x USB 1.1 UHCI ports	
Expansions	
ETX Interface	
Dimensions	
95 x 114 mm (3.7x4.5“)	
Power Consumption	
13W @ 5V (933 MHz CPU) typ, 8,5W @ 5V (400 MHz CPU) typ	
Temperature (*)	
operation: 0° to 60°C, storage: -30° 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-P3m 4000	18007-0000-40-1	Intel® Celeron® 400 MHz
ETX-P3m 6500	18007-0000-65-1	Intel® Celeron® 650 MHz
ETX-P3m 9330	18007-0000-93-0	Intel® Pentium® III-m 933 MHz
HSP-P3m	18007-0000-99-0	HSP-P3m threaded BGA version
HSP-P3m	18007-0000-99-1	HSP-P3m through BGA version
SDRAM-SODIMM-128MB	97005-1280-00-0	SDRAM SODIMM memory module with 128 MByte
SDRAM-SODIMM-256MB	97005-2560-00-0	SDRAM-SODIMM memory module with 256 MByte
SDRAM-SODIMM-512MB	97005-5120-00-0	SDRAM-SODIMM memory module with 512 MByte

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