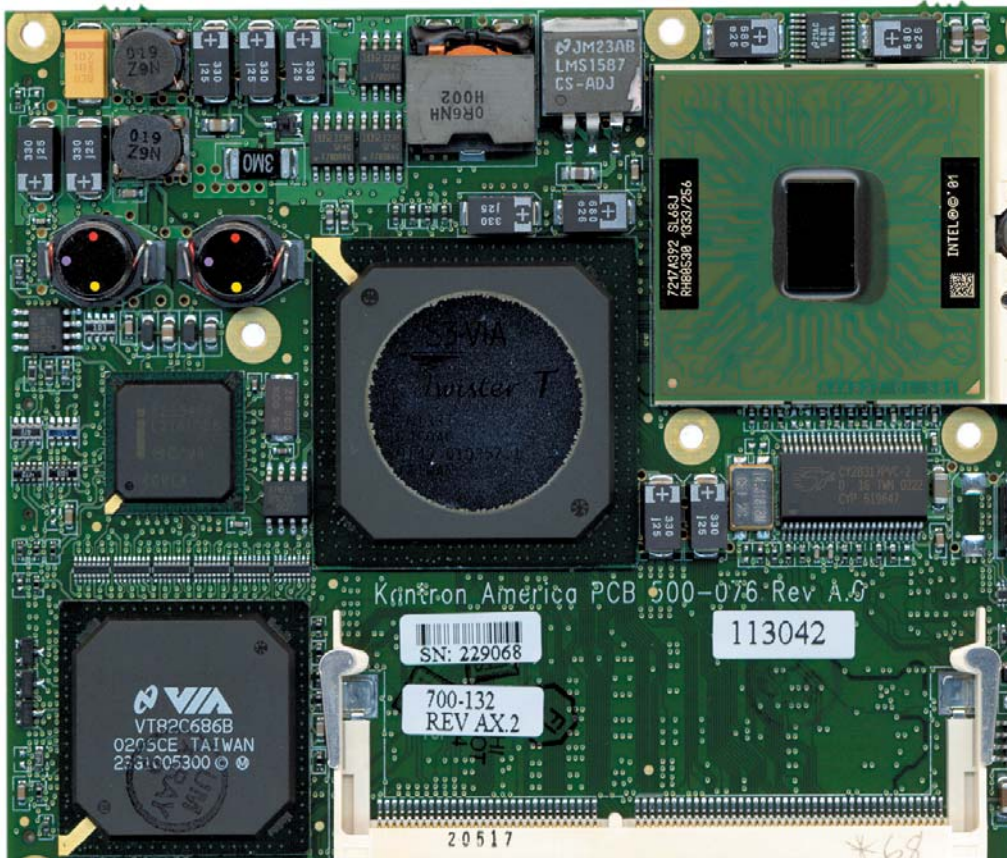


# ➤ ETX-P3m



## ➤ Embedded Technology eXtended

- reduced power consumption
- highly integrated
- 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 achievable on ETX at reasonable power consumption. Improved power management is achieved using both ACPI and APM 1.2 allowing for fanless-cooling and extending battery life. With the VIA VT8603/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 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.

...always a Jump ahead!

## Technical Data

- **CPU:**
  - ETX-P3m 6500 Celeron™ 650 MHz
  - ETX-P3m 8000 Pentium® III-m 800 MHz
  - ETX-P3m 9330 Pentium® III-m 933 MHz
  - ETX-P3m 12000 Pentium® III-m 1.2 GHz Socketed
- **DRAM:** 1 GByte max.
- **Cache:** 256K/ 128 kByte second level
- **Harddisk:** Two enhanced IDE ports
- **Sound:** SoundBlaster™ compatible  
Line-level input/output via ETX header  
Microphone input from ETX header
- **UMA Savage 4 (VT8603C) AGP Video 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
  - UXGA 1600x1200 18 Bit
- **LCD Panel Support:** Dual Channel LVDS 110 MHz
- **Serial Interfaces:** 2 x TTL (16550 compatible)  
IrDA support
- **Enhanced Parallel Port:** shared with Floppy
- **Floppy Port:** shared with LPT
- **Ethernet:** 10/ 100Base-T Davicom DM9102A
- **4 x USB ports**
- **Expansions:** ETX Interface
- **Dimensions:** 95 x 114 (3.7x4.5")
- **Power Consumption:** 10-25 W depending on processor speed
- **Temperature**
  - operation: 0° to 60°C @ 800 MHz
  - storage: -55° to 125°C
- **Humidity**
  - operation: 10% to 90%
  - storage: 5% to 95%
  - (non condensing)

Article	Part.-No.	Description
ETX-P3m 6500	18007-0000-65-1	ETX-P3m Celeron™ 650 MHz
ETX-P3m 8000	18007-0000-80-0	ETX-P3m Pentium® III-m 800 MHz
ETX-P3m 9330	18007-0000-93-0	ETX-P3m Pentium® III-m 933 MHz
HSP-P3m	18007-0000-94-0	HSP-P3m threaded BGA v.
HSP-P3m	18007-0000-99-0	HSP-P3m through BGA v.
ETX-P3m 12000	18007-0000-12-2	ETX-P3m 12000 socket
HSP-P3m	18007-0000-99-2	HSP-P3m threaded, socket
HSP-P3m	18007-0000-99-3	HSP-P3m through, socket

US/ Canada  
6260 Sequence Drive  
San Diego, CA 92121-4371

Tel.: (858) 677-0877  
Fax: (858) 677-0898

sales@us.kontron.com

Europe, Middle East & Africa  
Brunnwiesenstr. 16  
94469 Deggendorf - Germany

Tel.: +49 (0)991/ 370 24-100  
Fax: +49 (0)991/ 370 24-102

sales-kem@kontron.com

Asia Pacific  
5F-1, 341, Sec 4, Chung Hsiao E.  
Rd, Taipei, Taiwan

Tel: +886 2 2781 5791  
Fax: +886 2 2741 7379

sales@kontron.com.tw