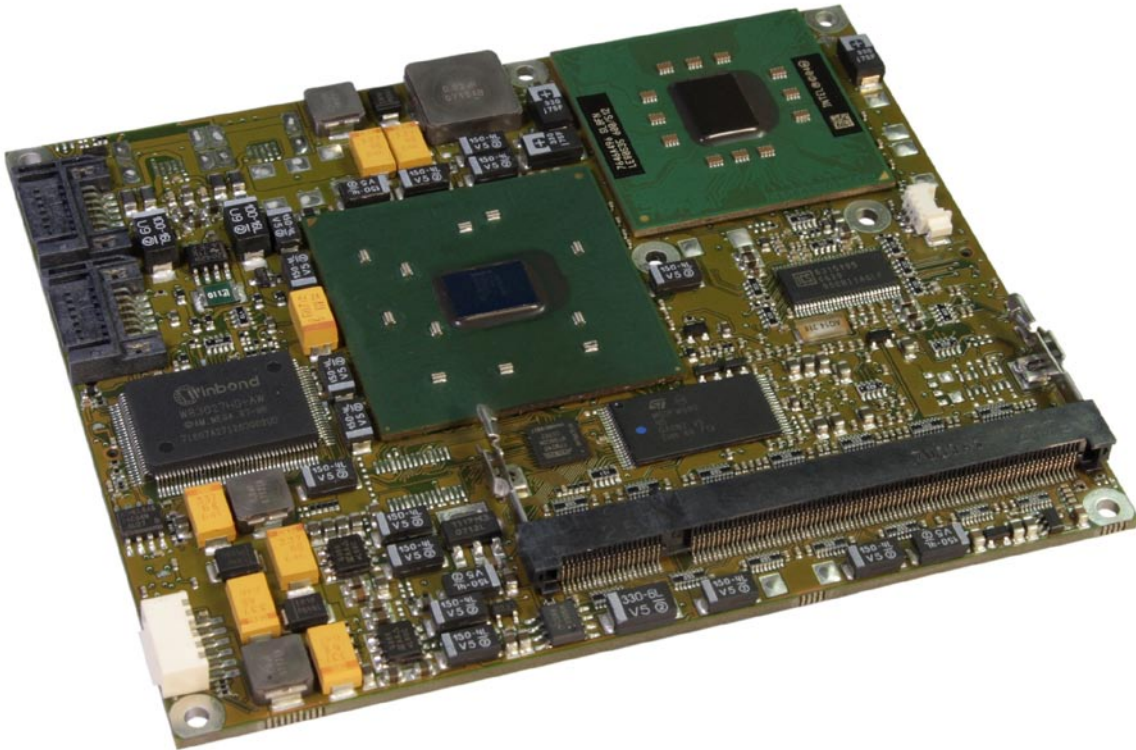


➤ ETX[®] -PM3



ETX 3.0
Long Term Support

powered by
Intel® Pentium® M



- SerialATA - for highspeed drives
- ETX[®] 3.0 - Long Term Support
- Up to Intel[®] Pentium[®] M processor
- Intel[®] 82852GM/82855GME
- USB 2.0 and up to 1 GB DDR

Product Overview

The ETX®-PM3 products feature the Intel® Celeron® M Processor or Intel® Pentium® M Processor with the unique Enhanced Speed Step™ technology. The ETX®-PM3 modules offer supreme computing performance at extreme low power consumption. Supporting up to 1 GB of DDR SO-DIMM technology the memory bandwidth is no longer the performance bottleneck.

The integrated Intel Extreme Graphics 2 video controller offers resolutions up to 2048x1536 pixel with 2D and 3D acceleration. The JILI display interface technology ensures automatic setting of the video controller parameters for the attached LCD panel. 4 USB channels support USB 2.0 with full bandwidth for the coming generations of I/O devices.

As all boards in the ETX® product line, the ETX®-PM3 is fully featured with PCI bus, audio, ethernet, floppy/printer, Parallel ATA, Serial ATA, serial ports and keyboard/mouse interfaces.

ETX® modules are like components, plugging into an application-specific carrier board. The ETX® modules supply the core CPU and memory subsystems together with sound, QXGA, 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. ETX® modules are scalable and interchangeable, and they make possible the rapid development of customized solutions for embedded applications.

Technical Information

Processor	Intel® Pentium® M processor up to 1.8 GHz Intel® Celeron® M processor up to 1.5 GHz Intel® Processor with 800 MHz
Cache	up to 2MByte 2 nd Level
Chipset	Intel® 82855GME/82852GM, Intel® ICH4
Memory	Up to 1 GByte DDR-SO DIMM (266/333/400 MHz)
Hard Disk	2x SerialATA (RAID 0,1, JBOD), 2x ParallelATA
USB	4x USB 2.0
Sound	AC97, Codec Crystal CS4299
Video Controller	Intel® Extreme Graphics2 controller, integrated in Intel® 82852GM/82855GME, Up to 64 MByte UMA Video RAM

LVDS and CRT Resolutions	LVDS up to UXGA (1600x1200) @ 82855GME, LVDS up to SXGA+ (1400x1050) @ 82852GM, CRT up to QXGA (2048x1536)
LVDS Panel Support	Single and Dual Channel LVDS 2x18/24 bit
Ethernet	10/100 MBit, Intel® 82562ET
Other Features	COM 1+2 (TTL signal), EPP/Floppy port shared
Form Factor	ETX® 3.0 compliant 95 x 114 mm
Power Consumption	typ. Idle 10W @ Intel® Pentium® M processor (1.4 GHz), 5V
Temperature (*)	Operation: 0° to 60°C Storage: -30° to 85°C
Humidity	Operation: 10% to 90% Storage: 5% to 95% (non condensing)

(*) Ask about extended temperature ranges

Ordering Information

Article	Part.-No.	Description
ETX®-PM3-18	18038-0000-18-2	ETX®3.0 module with Intel® Pentium® M Processor 745 (1.8 GHz) and Intel® 82855GME, 2x SATA
ETX®-PM3-14	18038-0000-14-2	ETX®3.0 module with Intel® Pentium® M Processor LV 738 (1.4 GHz) and Intel® 82855GME, 2x SATA
ETX®-PM3-15	18038-0000-15-1	ETX®3.0 module with Intel® Celeron® M Processor 370 (1.5 GHz) and Intel® 82855GME, 2x SATA
ETX®-PM3-10	18038-0000-10-1	ETX®3.0 module with Intel® Celeron® M Processor ULV 373 (1.0 GHz) and Intel® 82855GME, 2x SATA
ETX®-PM3-06	18038-0000-06-4	ETX®3.0 module with Intel® Celeron® M Processor 600 MHz, 512 KB L2 and Intel® 82852GM, 2x SATA
ETX®-PM3-08	18038-0000-08-3	ETX®3.0 module with Intel® Processor 800 MHz 0KB L2 and Intel® 82855GME, 2x SATA
ETX®-PM HSP	18008-0000-99-4	Heatspreader ETX®-PM, Threaded Hole Stand Off
ETX®-PM HSP	18008-0000-99-5	Heatspreader ETX®-PM, Through Hole Stand Off
DDR SODIMM 512	97007-5120-00-0	DDR SODIMM with 512 MB
DDR SODIMM 1 GB	97007-1024-00-0	DDR SODIMM with 1 GB

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