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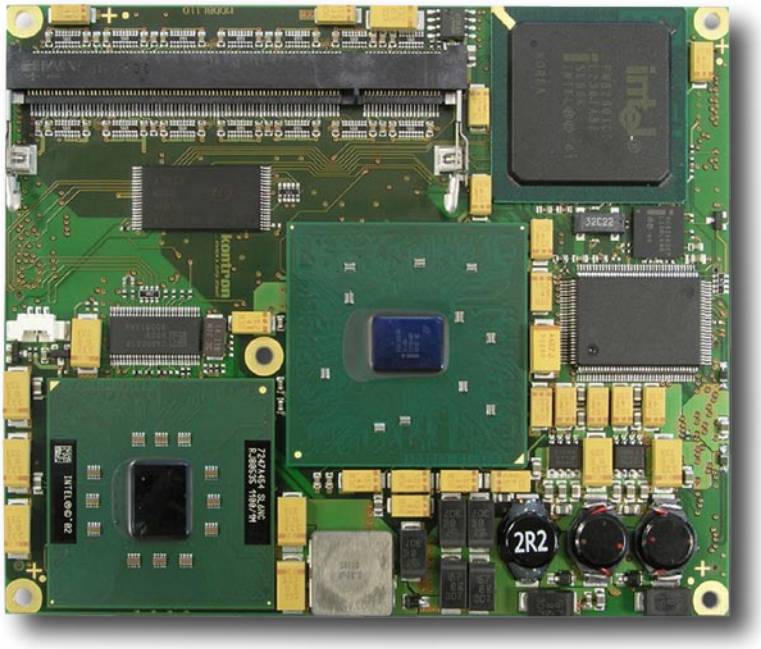
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ETX®-PM



original size

- Intel® 82852GM/82855GME, Intel® ICH4
- Intel® Pentium® M Processors up to 1.8 GHz
- USB 2.0 and DDR-SDRAM up to 1 GByte
- Graphic resolution up to QXGA (2048x1536)

Product Overview

The ETX®-PM products feature the Intel® Celeron® M Processor or Intel® Pentium® M Processor with the unique Enhanced Speed Step™ technology. The ETX®-PM modules offer supreme computing performance at extreme low power consumption. Supporting up to 1Gbyte of DDR-SO DIMM technology the memory bandwith 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. The 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®-PM is fully featuerd with PCI 2.1 bus, audio, ethernet, floppy/printer, IDE, serial ports and keyboard/mouse interfaces.

ETX® modules are like components, plugging into an application-specific baseboard. 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 highdensity, low profile, surface-mount connectors, which carry both ISA (future option) 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 semi-custom solutions for embedded applications.

Technical Information

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

LVDS and CRT Resolutions	
	LVDS up to UXGA (1600x1200), CRT up to QXGA (2048x1536)
LVDS Panel Support	
	Single and Dual Channel LVDS, 2x18/24 bit
Ethernet	
	10/100 MBit Ethernet, Intel® 82562ET
USB	
	4x USB 2.0
Form Factor	
	ETX® compliant 95 x 114 mm
Power Consumption	
	typ. Idle 7,6 W @ Intel® Pentium® M processor 1,1 GHz, 5V
Temperature (*)	
	operation: 0° to 60°C, storage: -30° to 85°C
Humidity	
	operation: 10% to 90%, storage: 5% to 95% (non condensing)
Other Features	
	COM 1+2 (TTL signal), EPP/Floppy port shared

(*) Ask about extended temperature ranges

Ordering Information

Article	Part.-No.	Description
ETX®-PM11	18008-0000-11-0	ETX® module with Intel® Pentium® M processor LV 1.1 GHz and Intel® 82855GME chipset
ETX®-PM14	18008-0000-14-2	ETX® module with Intel® Pentium® M processor LV 738 (1.4 GHz) and Intel® 82855GME chipset
ETX®-PM16	18008-0000-16-0	ETX® module with Intel® Pentium® M processor 1.6 GHz and Intel® 82855GME chipset
ETX®-PM18	18008-0000-18-2	ETX® module with Intel® Pentium® M processor 745 (1.8 GHz) and Intel® 82855GME chipset
ETX®-PM06C	18008-0000-06-1	ETX® module with Intel® Celeron® M processor ULV 600 MHz and Intel® 82855GME chipset
ETX®-PM06C/852	18008-0000-06-4	ETX® module with Intel® Celeron M Processor 600 MHz, 512 KB L2 and Intel® 82852GM chipset
ETX®-PM08C cacheless	18008-0000-08-3	ETX® module with Intel® Processor 800 MHz 0KB L2 and Intel® 82855GME chipset
ETX®-PM10C	18008-0000-10-1	ETX® module with Intel® Celeron® M processor ULV 373 (1.0 GHz) and Intel® 82855GME chipset
ETX®-PM13C	18008-0000-13-1	ETX® module with Intel® Celeron® M processor 1.3 GHz and Intel® 82855GME chipset
ETX®-PM15C	18008-0000-15-1	ETX® module with Intel® Celeron® M processor 370 (1.5 GHz), Intel® 82855GME chipset
ETX®-PM HSP	18008-0000-99-4	Heatspreader ETX®-PM, Threaded Hole Stand Off for boards from CE 3.X.X a. Intel® 82855GME chipset
ETX®-PM HSP	18008-0000-99-5	Heatspreader ETX®-PM, Through Hole Stand Off for boards from CE 3.X.X a. Intel® 82855GME chipset
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

Corporate Offices

Europe, Middle East & Africa
Oskar-von-Miller-Str. 1
85386 Eching/Munich
Germany
Tel.: +49 (0)8165/ 77 777
Fax: +49 (0)8165/ 77 219
sales@kontron.com

North America
14118 Stowe Drive
Poway, CA 92064-7147
USA
Tel.: +1 888 294 4558
Fax: +1 858 677 0898
sales@us.kontron.com

Asia Pacific
17 Building,Block #1,ABP.
188 Southern West 4th Ring Road
Beijing 100070,P.R.China
Tel.: + 86 10 63751188
Fax: + 86 10 83682438
kcn@kontron.cn

Kontron Embedded Modules
Brunnwiesenstr. 16
94469 Deggendorf
Germany
Tel.: +49 (0)991/ 370 24-100
Fax: +49 (0)991/ 370 24-333
sales@kontron.com

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