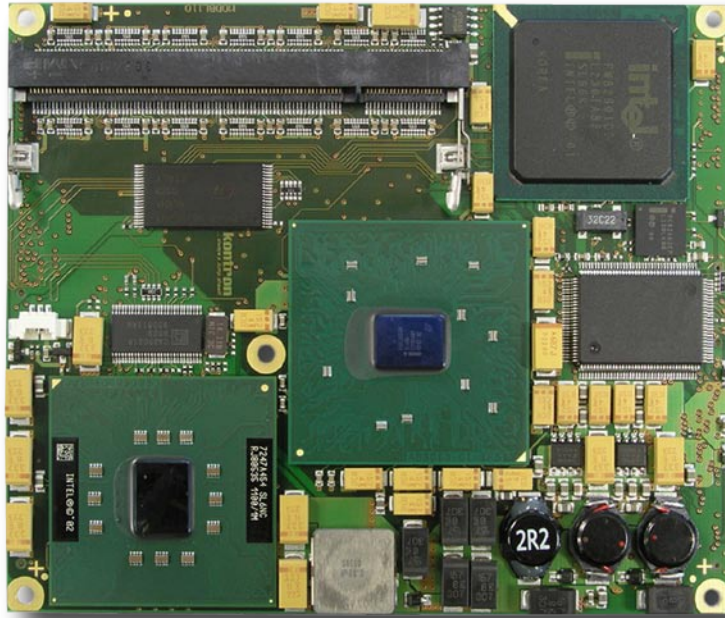




ETX[®]-PM



original size



- **Embedded Technology eXtended**
- Intel[®] Pentium[®] M Processors up to 1.8 GHz
- USB 2.0 and DDR-SDRAM up to 1 GByte
- Ultimate Performance without the heat

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-SDRAM 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. 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 featured 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 scaleable and interchangeable, and they make possible the rapid development of semi-custom solutions for embedded applications.

Technical Information

Processor	Intel® Pentium® M processor 1.1 GHz LV and 1.6 GHz Intel® Pentium® M processor 738 LV and 745 Intel® Celeron® M processor 600 MHz, ULV 373 (1.0 GHz) and 1.3 GHz
Chipset	Intel® 82855GME, 400MHz FSB, integrated graphics Intel® 82852GM, 400MHz FSB, integrated graphics
DRAM	1 GByte mx. DDR-SO-DIMM, PC1600/2100
Cache	up to 2MByte 2 nd Level
Harddisk	Two enhanced IDE ports
Sound	AC97 controller, line-input / output and microphone
Video Controller	Intel Extreme Graphics2 controller, LVDS Flatpanel and CRT output, Up to 32 MByte UMA Video RAM
Resolutions CRT and LCD	max CRT WUXGA/QXGA (2048x1536), max LCD WUXGA/UXGA (1600x1200)

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® 82562
USB	4x USB 2.0 OHCI ports
Dimensions	95 x 114mm (3.7x4.5")
Power Consumption	18W @ 5V (1.1 GHz CPU) typ
Temperature (*)	operation: 0° to 60°C, storage: -30° to 85°C
Humidity	operation: 10% to 90%, storage: 5% to 95% (non condensing)

(*) Ask about wider 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 SDRAM SODIMM 512	97007-5120-00-0	DDR SDRAM SODIMM with 512 MB
DDR SDRAM SODIMM 1 GB	97007-1024-00-0	DDR SDRAM SODIMM with 1 GB

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