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TECHNOLOGY GROUP

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Artisan Technology Group
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Custom engineering
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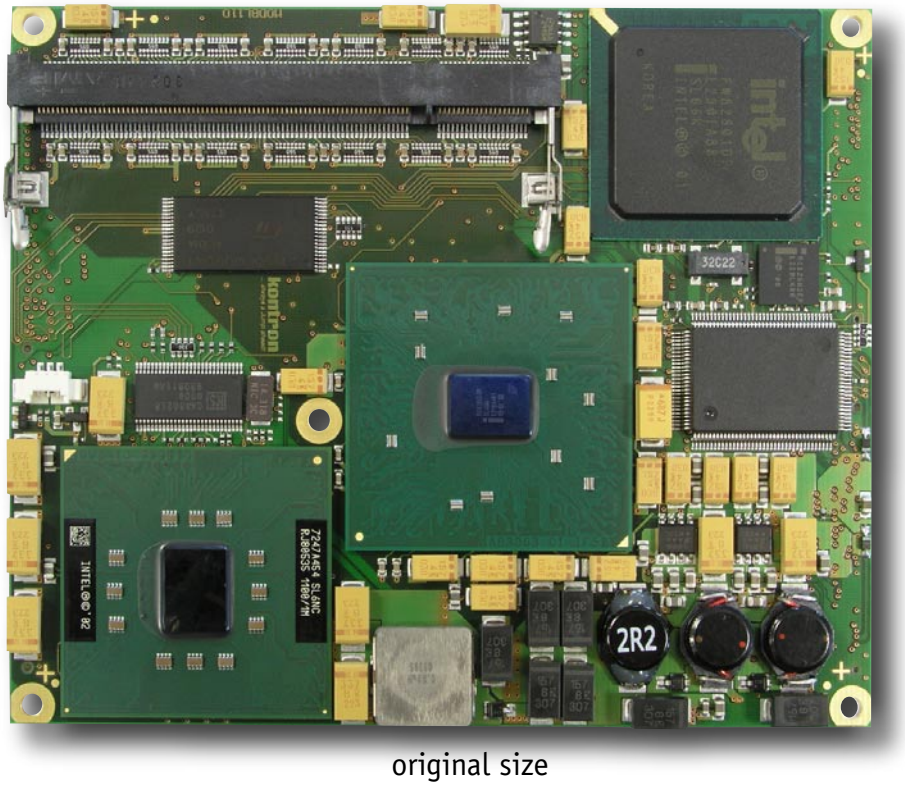
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Expert team | Trust guarantee | 100% satisfaction

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Find the *Kontron ETX-PM14* at our website: ***Click HERE***

ETX-PM



original size

Intel® Communications Alliance
Associate Member
SILVER

READY FOR Microsoft Windows CE

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

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... always a Jump ahead!

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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 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 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 ULV and 1.3 GHz
Chipset	Intel 82855GME, 400MHz FSB, integrated graphics
DRAM	1 GByte mx. DDR-SO-DIMM, PC1600/2100
Cache	up to 2MByte 2nd Level
Harddisk	Two enhanced IDE ports
Sound	AC97 controller, line-input / output and mircophone
Video Controller	Intel Extreme Graphics2 controller, LVDS Flatpanel and CRT output, Up to 32 MByte UMA Video RAM
Resolutions CRT and LCD	max CRT QXGA 2048x1536, max LCD 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
Expansions	ETX Interface
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)

(*) see manual for details

Ordering Information

Article	Part.-No.	Description
ETX-PM11	18008-0000-11-0	Intel® Pentium® M processor LV 1.1 GHz
ETX-PM16	18008-0000-16-0	Intel® Pentium® M processor 1.6 GHz
ETX-PM14	18008-0000-14-2	Intel® Pentium® M processor LV 738 (1.4 GHz)
ETX-PM18	18008-0000-18-2	Intel® Pentium® M processor 745 (1.8 GHz)
ETX-PM06C	18008-0000-06-1	Intel® Celeron® M processor ULV 600 MHz
ETX-PM06C cacheless	18008-0000-06-3	Intel® Mobile Celeron® processor 600 MHz 0KB L2
ETX-PM13C	18008-0000-13-1	Intel® Celeron® M processor 1.3 GHz
HSP-PM	18008-0000-99-0	HSP-PM threaded stand off
HSP-PM	18008-0000-99-1	HSP-PM through hole stand off
DDR SDRAM SODIMM 256	97007-2560-00-0	DDR SDRAM SODIMM with 256 GB
DDR SDRAM SODIMM 512	97007-5120-00-0	DDR SDRAM SODIMM with 512 GB
DDR SDRAM SODIMM 1 GB	97007-1024-00-0	DDR SDRAM SODIMM with 1 GB

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#ETX-PM #04102 HSc
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We buy equipment

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Learn more!

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