

» ETXexpress®-PM «



COM 
Express

Intel® Pentium® M technology

- » Intel® Celeron® or Pentium® M with 915GM chipset
- » Common interface technologies incl. PCI Express
- » Intel® Extreme Graphics and PCI Express Graphic
- » SerialATA and USB 2.0 for fast peripherals

The new ETXexpress®-PM module is based on the Intel® Pentium® M and Intel® Celeron® M processors as well as the Intel® 915GM chipset.

For applications that require advanced real-time video capabilities, the ETXexpress®-PM has both Intel® Extreme Graphics 2 and PCI Express graphics 1x16.

Fast communications are possible courtesy of the Gigabit Ethernet port. 8x USB 2.0 provides fast and sufficient interfaces for external peripherals.

Six mounting holes on the board provide secure mounting to allow the module increased shock and vibration resistance.

Technical Information

Processor	Intel® Pentium® M and Intel® Celeron® M Processor
Chipset	Intel® i915GM, Intel® ICH6M
Memory	Up to 2GB (400/533) DDR2 SO-DIMM
Hard Disk	2 x SerialATA, 1 x PATA 100
USB	8x USB 2.0
PCI	PCI 2.3, 32 bit / 33 MHz PCI bus
PCI Express	4 PCI Express x1 (3 PCI Express x1 for GbE version), 1 PEG x16
Ethernet	10/100/1000 MBit, Intel® 82573E
Sound	Intel® High Definition Audio / AC97
Video Controller	Integrated with Intel® Graphics Media Accelerator (GMA 900) or expand via 1 PEG x16
LVDS and CRT Resolutions	XGA 1024x786 32 Bit, SXGA 1280x1024 32 Bit, UXGA 1600x1200 32 Bit, QSXGA 2048x1536 32 Bit
LVDS Panel Support	Single and Dual Channel LVDS 18/24 bit, Dual SDVO
TV out	TV out on separate set of pins (component video or composite video)
Operating Systems	Windows® XP Embedded, Windows® CE, Linux and others
Other Features	E²PROM BIOS Setup, LAN Boot, JRC support, I²C Bus, RTC, Watchdog, JIDA Support, IrDA enhanced, ACPI
Power Consumption	typ. Idle 13,3W Intel® Pentium® M LV738
Form Factor	COM Express™ Basic: 125 x 95 mm Pin-out Type 2
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
ETXexpress®-PM373	38002-0000-10-1	Intel® Celeron® M ULV 373 processor (1.0 GHz), 512KB L2
ETXexpress®-PM738	38002-0000-14-2	Intel® pentium® M ULV 738 processor (1.8 GHz), 2MB L2
HSP ETXexpress®-PM, threaded	38001-0000-99-0	Heatspreader for ETXexpress®-PM, soldered, threaded stand off
HSP-ETXexpress®-PM, through	38001-0000-99-1	Heatspreader for ETXexpress®-PM, through 2.7mm hole stand off
HSK-ETXexpress®-PM w/ Fan	38001-0000-99-0C01	Heatsink for ETXexpress®-PM with fan, threaded 2.5mm stand off
HSK-ETXexpress®-PM w/o Fan	38001-0000-99-0C02	Heatsink for ETXexpress®-PM without fan, threaded 2.5mm stand off

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