

» microETXexpress®-PM «



COM Express™ Pin-out Type 2 compatible

- » Intel® Pentium® M and Intel® Celeron® M processor
- » Intel® 82855GME / Intel® 82852GME and ICH4
- » 2x SerialATA and 6x USB 2.0
- » Up to 1 GB DDR memory
- » Compact COM Express™ footprint: 95 x 95mm

microETXexpress® is based on COM Express™. The microETXexpress®-PM is compatible to Pin-out Type 2. The mounting holes line up with the holes of COM Express™ basid, as long as the module size covers their position. This guarantees interchangeability between COM Express™ and microETXexpress®.

The microETXexpress®-PM's Intel® Pentium® M processors feature the unique Enhanced Speed Step™ technology.

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. microETXexpress and ETXexpress® 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 Intel® Celeron® M Processor
Chipset	Intel® 82855GME (Intel® 82852 GME), Intel® ICH4
Memory	Up to 1 GB DDR S0-DIMM (400/533 MHz)
Hard Disk	2x Serial-ATA (RAID 0, 1), 1x PATA
USB	6x USB 2.0
PCI	1x PCI
Ethernet	10/100 MBit, Intel® 82562ET
Sound	AC97
Video Controller	Intel® Extreme Graphics2 controller, LVDS Flatpanel and CRT output, Up to 64 MByte UMA Video RAM
LVDS and CRT Resolutions	max. CRT QXGA 2048x1536, max LCD UXGA 1600x1200
LVDS Panel Support	Single and Dual Channel LVDS 18/24 bit
Operating Systems	Windows® XP, Windows® CE, Windows® XP Embedded, Linux and others
Other Features	E²PROM BIOS Setup, RTC, Watchdog, JILI Support
Form Factor	95 x 95 mm (3.75" x 3.75") COM Express™ Type 2
Power Consumption	typ. Idle 10,5 W @ Intel® Pentium® M 738 LV with 1.4 GHz, 8.5 V – 18 V Wide Range Power Supply
Temperature (*)	Operation: 0° to 50°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
microETXexpress®-PM	36001-0000-06-4	Intel® Celeron® M processor ULV (600 MHz), 512KB L2 / 82855GME
microETXexpress®-PM	36001-0000-08-3	Intel® Processor 800 MHz 0KB L2 / 82855GME
microETXexpress®-PM	36001-0000-10-1	Intel® Celeron® M processor 373 ULV (1.0 GHz), 512KB L2 / 82855GME
microETXexpress®-PM	36001-0000-14-2	Intel® Pentium® M processor 738 LV (1.4 GHz), 2MB L2 / 82855GME
HSP microETXexpress®-PM threaded	36001-0000-99-0	Heatspreader for microETXexpress®-PM threaded stand off
HSP microETXexpress®-PM through	36001-0000-99-1	Heatspreader for microETXexpress®-PM through hole stand off

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