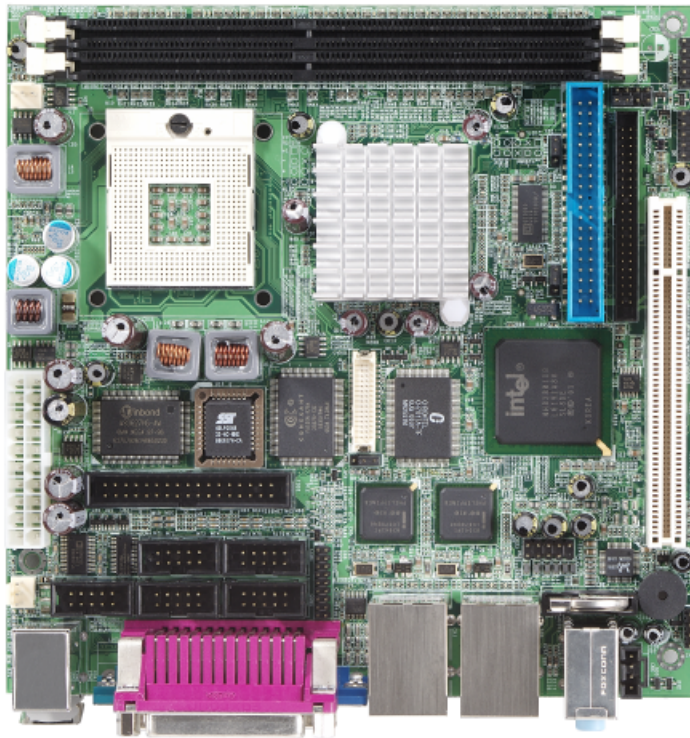


EMX-4000

Industrial Motherboard in Mini-ITX form factor
with Intel® 855GME chipset

ECS

Embedded Computer Source



- **Intel® Pentium® or Celeron® M Processor 478 μFC-PGA**
- **Intel® 855GME GMCH and ICH4**
- **DDR333 DIMM up to 2GB**
- **Dual GbE, 6x USB 2.0, CompactFlash, 6x COM ports, Mini PCI**
- **24-bit Dual Channel LVDS, Video Input Decoder**
- **Watchdog Timer, Hardware Monitor**

EMX-4000

Mini-ITX Industrial Motherboard with Intel® 855GME chipset

Technical Information

Specifications	Mini-ITX form factor single-processor industrial motherboard
Processors	Intel® Pentium® M Processor 478 µFC-PGA 400MHz Front Side Bus (EMX-4005: Intel® Celeron® M Processor 600MHz, 512kB L2 cache, µFC-BGA)
Chipsets	Intel® 855GME Graphic Memory Controller Hub Intel® I/O Controller Hub 4 (ICH4) (EMX-4005/4006: 852GM GMCH)
BIOS	Award PnP 4Mb Flash with console redirection
System Memory	DDR 333MHz ECC up to 1GB 2 DIMMs, maximum 2GB
Graphics	82855GME GMCH internal VGA controller, CRT 2048x1536x8bit@60Hz 24-bit dual channel LVDS up to 1280x1024, Dual Display, Video-in Decoder (Conexant BT878A) (EMX-4005/4006: no video-in support)
I/O Controller	LPC Super I/O controller W83627HF

On-board LAN	Dual Gigabit Ethernet - Intel® 82541PI (EMX-4005/4006: Intel® 82551ER Fast Ethernet Controllers x2)
Peripheral Support	Two channels EIDE ATA-100 CompactFlash Type II shared w/ Secondary IDE 6 COM ports RS-232, COM2 supports RS-232/422/485 ALC-655 AC'97 Codec, MIC-in/CD-in/Line-in/Line-out (200mW Amp opt.) One PCI slot, one Mini PCI slot One parallel port supports SPP/ EPP/ ECP modes One standard floppy port, supports one floppy device PS/2 Keyboard and Mouse connectors
Watchdog Timer	1-255 step, can be set with software on Super I/O
Hardware Monitor	Supply voltages, CPU temperature and fan
Operating Temp.	0°C - 60°C
Certifications	CE, FCC Class A



Product Information

Article	Part No.	Description
EMX-4000	BMMX4000-001000T	Mini-ITX Industrial Motherboard with Intel® 855GME chipset, Dual GbE, 24bit LVDS, Video-in, CompactFlash, Mini PCI, and USB 2.0
EMX-4005	BMMX4000-051000T	Mini-ITX Industrial Motherboard with Intel® Celeron® M 600MHz µFC-BGA, 852GM chipset, Dual Fast Ethernet, 24bit LVDS, CompactFlash, Mini PCI, and USB 2.0
EMX-4006	BMMX4000-061000T	Mini-ITX Industrial Motherboard with Intel® 855GME chipset, Dual Fast Ethernet, 24bit LVDS, CompactFlash, Mini PCI, and USB 2.0
CPU Cooler (Socket)	0H05CPU50501100L	CPU Cooler for Socket 478 for KEMX-4000/4006 (50x50x21.8mm)
CPU Cooler (BGA)	0H05CPU50501110L	CPU Cooler for BGA for KEMX-4005 (50x50x21.8mm)



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