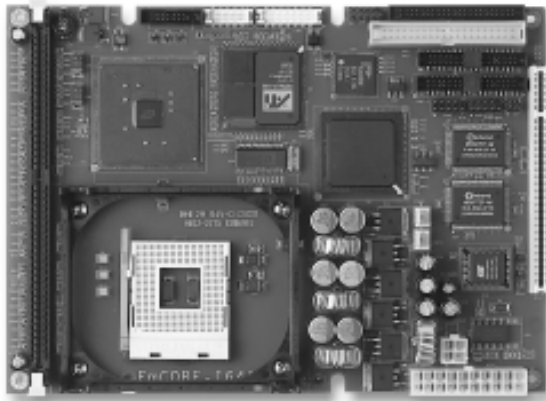


# EmCORE-i6415

5.25" Pentium4 Miniboard with DDR memory support, Gigabit LAN CRT / Flat Panel and TV-out, Audio



## Features

CE FCC ...

- ✦ Intel Pentium 4 up to 3.1 GHz
- ✦ Intel 845GV/PE with 533 MHz FSB
- ✦ up to 1 GB 266/333 DDR memory
- ✦ LAN 10/100 Mbps or Gigabit LAN
- ✦ 4x AGP VGA with DDR, for CRT, Flat Panel TMDS/LVDS and TV-out
- ✦ Dual LCD Display support
- ✦ Audio Support
- ✦ 4 ports USB 2.0

## Specifications

### System

- **CPU:** Intel Pentium®4 up to 3.1 GHz in PGA socket
- **System Memory :** one DIMM socket for up to 1 GB of DDR 266/333 memory
- **L2 Cache:** Integrated in CPU, 265 or 512 KB
- **Chipset :** Intel 845G/PE and Intel ICH4 with FSB 400/533 MHz
- **Enhanced IDE :** Supports two ports and up to 4 ATAPI devices, Ultra DMA transfer rates 100 MB/sec
- **BIOS :** AWARD Flash BIOS Green & Soft Off function, Multiple boot function
- **Expansion Bus :** 32-bit PCI
- **Watchdog Timer :** 128-level, system reset or NMI

### Multi I/O

- **Serial :** 3 high speed RS-232C ports (COM1, COM3, COM4 )  
1 high speed RS-232C/422/485 port (COM2)
- **Parallel :** Supports SPP, EPP and ECP mode, BIOS enabled/disabled
- **Floppy :** One port and up to 2 floppy disk drives
- **IrDA :** supports SIR IrDA 1.1 compliant
- **USB :** supports 4-port USB v2.0
- **KB/Mouse :** One PS/2 keyboard and one PS/2 mouse
- **GPIO :** 8-bit

### Single LAN (10/100 or 1000)

- **Chipset :** integrated in ICH4
- **Ethernet Interface :** 10/100Base-TX or optional Gigabit LAN, Intel 82540EM (10/100/1000Mb)
- **Connector :** RJ-45

### Audio

- **Chipset :** Intel ICH4 integrated audio
- **Audio Controller:** AC97 Ver. 2.3 compliant interface

### Dual LCD Display

#### Option 1 (EmCORE-i6415VL)

- **Chipset :** Intel 845G integrated graphics controller
- **Display Memory :** up to 64 MB (UMA)
- **Display Type :** CRT and LVDS
- **Resolution :** 2048 x 1536
- **LVDS :** 2 channels 24-bit

#### Option 2 (EmCORE-i6415VLGA)

- **Chipset :** ATI M7
- **Display Memory :** 32 MB on dye
- **Display Type :** Flat Panel and CRT displays
- **Resolution :** up to 1600x1200 32bpp
- **LCD Interface :** supports LVDS & TMDS
- **LVDS :** 2 channels
- **TV-out :** support NTSC, PAL NTSC-EIA (Japan) formats, 640 x 480 resolution

### Mechanical and Environmental

- **Operating Temperature :** 0 to 60°C (32 to 140°F)
- **Relative Humidity :** up to 90% @ 55°C
- **Board Size :** 203 mm x 146 mm (8" x 5.75")

Specification of this product are subject to change !

## Ordering Information

### EmCORE-i6415VL

5.25" Intel Pentium 4 Miniboard with DDR memory, Flat Panel/CRT/TV-out, 10/100Mbps LAN, Audio, 8-bit GPIO, 4 USB Ports and 4 Serial Ports

### EmCORE-i6415VLGA

5.25" Intel Pentium 4 Miniboard with DDR memory, ATI VGA Flat Panel/CRT/TV-out, Giga LAN, Audio, 8-bit GPIO, 4 USB Ports and 4 Serial Ports