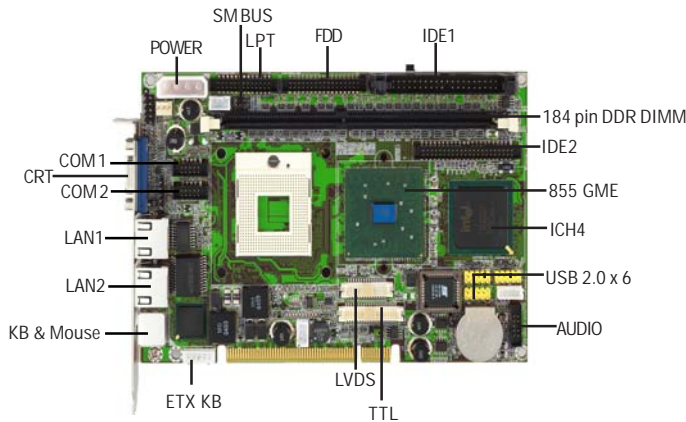


# EmCORE-i6419

Half Size Socket 478 Low Power Intel Pentium M PCI SBC with Flat Panel / CRT & LAN



## Features

CE FCC

- \* Support mPGA 478M socket CPU
- \* DIMM sockets Support up to 1 GB DDR SDRAM. ECC
- \* 6 x USB 2.0 ports
- \* Support TMDS Panel Interface & CRT
- \* One 10/100 Mbps LAN or Giga-bit LAN (Optional)
- \* Compact Flash Type I/II

## Specifications

### System

- **CPU:** mPGA 478M socket support: Pentium-M with FSB 400 up to 1.7GHz
- **Chipset:** Southbridge: ICH4; Northbridge: Intel 855GME
- **Memory:** One 184-pin DIMM sockets support up to 1GB DDR SDRAM (266 MHz/333 MHz) ECC

### Multiple I/O

- **Serial:** 1 x RS-232C and 1 x RS-232C/422/485
- **Parallel:** 1 x Parallel port supports SPP, EPP and ECP mode
- **Enhanced IDE:** 2 ports and up to 4 ATAPI devices, Ultra DMA transfer rates 33/66/100MB/sec (IDE1: 40 Pin DMA 100; IDE2: 44 Pin DMA 33)
- **Floppy:** 2 x floppy disk drives
- **IrDA:** 1 x IrDA
- **USB:** 6 x USB v2.0 ports
- **K/B & Mouse:** 1 x PS/2 connector for keyboard & mouse
- SM Bus
- **Watchdog Timer:** 256 level generates RESET

### LAN

- **Networking:** 1 x onboard 10/100Mbps Fast Ethernet (Intel 82562ET PHY), 1 x Gigabit Ethernet Intel 82541G1
- **Connector:** RJ45 with LEDs on bracket

### Audio

- AC97 Chipset ICH4 integrated AUDIO with AC97 codec AUDIO interactive MIC in line in speak out AC97 VER 2.3

### Display

- **Chipset:** 855GME integrated graphic, 4 x AGP
- **Display Memory:** Memory shared up to 64MB (DVMT)
- **Display Type:** CRT/ LCD
- **LCD Interface:** Single or dual channel LVDS Panel support up to

1600 x 1200 (UXGA) panel resolution (TTL panel is option)

### Flash Disk

- Compact Flash Type I/II

### Mechanical and Environment

- **Power Requirement:** +5V only (3.3V onboard, not from PCI bus)
- **Power Consumption:** TBD
- **Typical:** 18W@5V (1.1GHz LV CPU)
- **Operating Temperature:** 0 ~ 60°C (32 ~ 140°F)
- **Storage Temperature:** -20 ~ 80°C (-68 ~ 176°F)
- **Relative Humidity:** 0% ~ 90%
- **Dimension (Lx W):** 185 x 122 mm (7.3" x 4.8")
- **Weight:** 0.6Kg (1.32 lb)



## Ordering Information

### EmCORE-i6419VL

Low power Intel Pentium-M Half size PCI BUS SBC with CRT/LCD & LAN

### EmCORE-i6419VL / G

Low power Intel Pentium-M Half size PCI BUS SBC with CRT/LCD & Gigabit LAN

PCI Passive Backplane Series

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Half Size Wallmount Chassis for PCI BUS Series