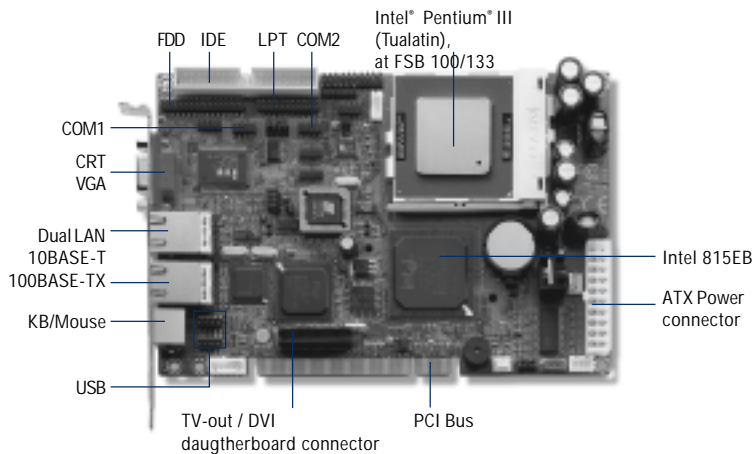


# EmCORE-i6319

Half-Size PCI Pentium-III Tualatin SBC with CRT, Audio and Dual LAN



## Features



- ★ Intel Pentium III Tualatin processor up to 1.4 GHz
- ★ SDRAM up to 512 MB (SODIMM)
- ★ Intel 815E integrated VGA for CRT
- ★ Optional support for TMDS and TV-Out on daughterboard
- ★ Dual 10/100 Mbps LAN, Intel 82559 and ICH2 82562ET
- ★ Audio support
- ★ PCI-bus

## Specifications

### System

- **CPU:** Socket 370 FC-PGA/FC-PGA2 supports : Pentium® III (Tualatin) up to 1.4 GHz and Celeron, FSB 133/100 MHz
- **System Memory:** SDRAM up to 512 MB on SODIMM
- **L2 Cache:** CPU integrated
- **Chipset:** Intel 82815 includes Graphics Memory & 82801BA Controller Hub (GMCH), I/O Controller Hub 2 (ICH2) and Firmware Hub (FWH)
- **BIOS:** Award BIOS with 2Mb Flash
- **Enhanced IDE:** 1 port and up to 2 ATAPI devices, Ultra DMA transfer rates 100 MB/sec
- **Watchdog Timer:** 128-level timer generates system RESET, NMI
- **Expansion:** 2-bit PCI (passive backplane)

### Multiple I/O (LPC based)

- **Serial:** 1 x high speed RS-232C ports (COM1), 1 x high speed RS-232C/422/485 port (COM2)
- **Parallel:** SPP, EPP and ECP mode
- **Floppy:** 2 x floppy disk drives, 5¼" and 3½"
- **IrDA:** Onboard IrDA TX/RX port
- **USB:** 4 x USB v1.1 ports
- **K/B & Mouse:** PS/2 KB/Mouse port on bracket, AT Keyboard header
- **Digital I/O:** 8-bit, 4 x Digital Input and 4 x Digital Output

### Dual LAN

- **Chipset:** Intel 82559 and ICH2 82562ET PHY, 10/100 Mbps, autoswitch
- **Connector:** 2 x RJ-45 with LEDs on bracket

### Audio

- **Chipset:** AC'97 Digital Audio controller
- **Interface:** Line-in CD-in, Mic-in and speaker out

### Flash Disk

- **CompactFlash socket:** For Type I/II cards

### Display

- **Chipset:** Intel 815E/82815 Graphics Memory Controller with TMDS, CRT, and TV-Out support
- **Display Memory:** Shared with system memory (DVMT technology)
- **CRT:** Up to 1280 x 1024 @ 24bpp, up to 1600 x 1200 @ 8bpp

### Optional Daughterboard supports

- **Chipset:** Chronitel CH7009 TV Encoder / DVI Transmitter Combo
- **TMDS:** DVI Transmitter up to 165MHz
- **TV-out:** Support NTSC, PAL and provides CVBS, S-Video and SCART (RGB) outputs up to 800 x 600 resolutions

### Mechanical and Environment

- **Power Requirement:** +5V @ 4.7A, +3.3V @ 2.6A, +12 V 0.15A ; (Pentium III 800 MHz at 133 FSB + 256 MB SDRAM)
- **Operating Temperature:** 0 ~ 60°C (32 ~ 140°F)
- **Relative Humidity:** Up ~ 90% @ 55°C
- **Dimension (L x W):** 185 x 122 mm (7.3" x 4.8")
- **Weight:** 0.28 Kg (0.62 lb)

## Ordering Information

### EmCORE-i6319VL2

Half-size PCI Pentium III Tualatin SBC with CRT, Audio and Dual LAN

### FCDB-1381

Flat Panel TMDS / TV-out daughterboard

PCI Passive Backplane Series

Half Size Wallmount Chassis for PCI BUS Series

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