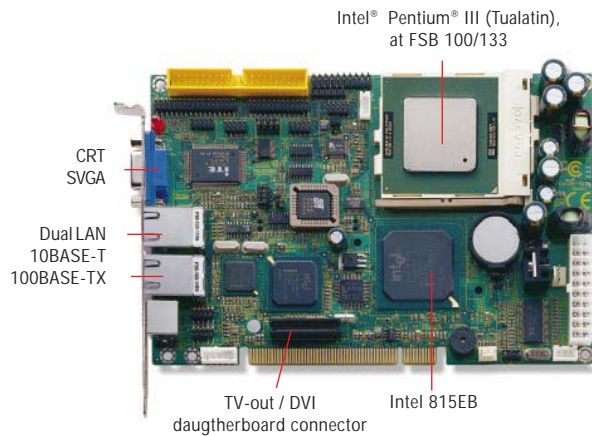
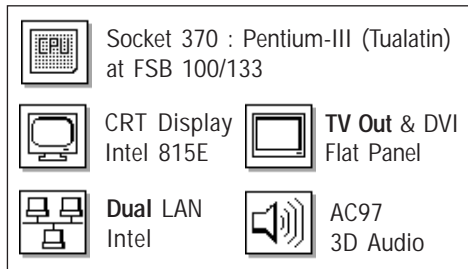


EmCORE-i6319



Pentium-III (Tualatin)

TV-out, LCD/CRT SVGA , Dual Fast Ethernet and Audio

General Specifications

CPU

Socket 370 FC-PGA/FC-PGA2 supports : Pentium®III (Tualatin) up to 1.26 GHz and Celeron with FSB @ 133 / 100 MHz

Chipset

Intel 815EB with integrated 82815 GMCH and 82801BA ICH2

BIOS

AWARD Flash BIOS Green&Soft Off function, LS120, Multiple boot function, FWH 4 MB

Green Function

power saving supported in BIOS. DOZE / STANDBY / SUSPEND modes, ACPI & APM

Secondary Cache

Integrated on CPU

DRAM Memory

Up to 512 MB of SDRAM in one SODIMM socket

Data Bus & Bus Speeds

32-bit PCI at 33 Mhz

PCI Enhanced IDE with Ultra DMA

supports 1port and up to 2 ATAPI devices, Ultra DMA transfer rates 100 MB/sec

Watchdog Timer

128-level timer generates RESET or NMI when your application loses control over the system.

Real-time Clock

built-in chipset with lithium battery backup for 10 years of data retention. CMOS data backup of BIOS setup and BIOS default.

SSD Interface

SSD Type

One compact flash Socket supports Type I/II Compact flash Cards (CFC)

High Speed Multi I/O

Chipset

ITE IT87121F-A

Serial Ports

2 onboard high speed RS-232C ports COM1 (2x5 pin header 2.0 pitch) Both with 16C550 compatible UART and 16 byte FIFO.

USB

4 onboard USB v1.0 ports (2x 5-pin header)

SIR Interface

onboard IrDA TX/RX port (5-pin header)

Floppy Disk Drive Interface

2 floppy disk drives, 5¼" (360 KB or 1.2 MB) and 3½" (720 KB, 1.44 MB or 2.88 MB).

Bidirectional Parallel Port

SPP, EPP and ECP mode.

Keyboard and Mouse Connectors

external PS/2 KB/Mouse port (2-in-1 mini DIN) onboard AT Keyboard port (5-pin box header)

Network Interface Controller

Chipset

Intel 82559 and ICH2 82562ET PHY

Type

10BASE-T / 100BASE-TX, autoswitch

Connector

Dual RJ-45 on system board bracket

Audio

Chipset

AC97 Digital Audio controller, Soundblaster Pro and Direct Sound Ready LINE-in/out CD-in, Mic-in and stereo speakers.

Display/TV Controller

Chipset

Intel 815E/82815 Graphics Memory Controller Hub with Dynamic Video Memory Technology

Display Type

CRT (VGA, SVGA, XGA, SXGA)

Flat Panel TMDS with DVI, SVideo, RF-out and SCART on daughterboard with Chrontel CH7009A Encoder

Connectors

external DB-15 for CRT on bracket and 42-pin header for Flat Panel TMDS (DVI) and TV-out (RF, SVideo, SCART) daughterboard

Environmental and Power

Power Requirements

+5 V @ 4.7 A (typical), ±12 V ; (FC-PGA Pentium III 800 MHz at 133 FSB and 256 MB PC-133 SDRAM)

CPU Power

onboard PWM switching power supply for autodetects CPU core voltage

System Monitoring and Alarm

CPU and System temperature, system voltage and cooling fan RPM.

Board Dimensions

185 mm x 127 mm

Board Weight

0.28 Kg.

Operating Temperature

0 to 60°C (32 to 140°F)

Ordering

EmCORE-i6319 : Half-size PCI-based Tualatin/ Pentium-III CPU Card with TV-Out, LCD / CRT SVGA, Dual Fast Ethernet, Audio and SSD Interface (includes FDOTLCD-DV1)

FDOTLCD-DV1 : Daughterboard kit with Chrontel CH7009A Encoder with onboard Scatter connector and Flat Panel DVI, RF-out, SVideo, connectors on single bracket

