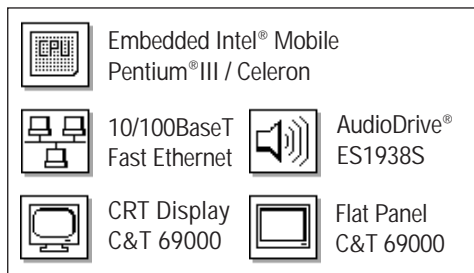
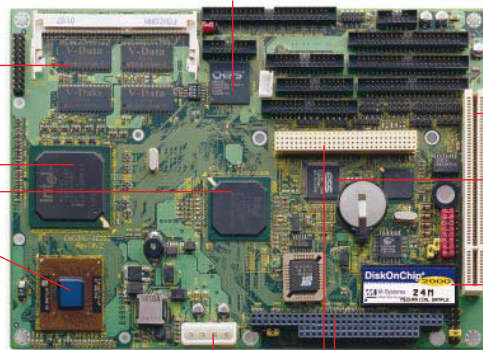


EmCORE-i6352



C&T 69000 for CRT / LCD SVGA

onboard 128 MB SDRAM and one SO-DIMM socket
Intel® 82443 BX chipset with PIIX4E
Embedded Mobile Pentium-III or Celeron



32-bit PCI extension
ESS PCI AudioDrive® ES1938S
DiskOnChip® up to 288 MB

Single +5 V operation
PC/104-Plus connectors

Mobile Pentium-III/Celeron Flat Panel/CRT, Ethernet, Audio, 4S, DI/O, PC/104-Plus

General Specifications

CPU

Embedded Intel® Mobile Low Power CPUs :
EmCORE-i6352/AP5 : Intel® Low Voltage Pentium® III 500MHz with 100MHz of FSB
EmCORE-i6352/AC4 : Intel® Low Voltage Celeron 400 MHz with 100MHz of FSB
(all with onboard mounted CPU)

Chipset

Intel® 82443 BX chipset with PIIX4E

BIOS

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

Green Function

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

L2 Cache

integrated in CPU

DRAM Memory

onboard 128MB SDRAM and one SO-DIMM socket supports up to 256 MB of SDRAM, total memory capacity supports up to 384MB.

PCI Enhanced IDE with Ultra DMA

2 EIDE ports for up to 4 UltraDMA-33 ATAPI devices, two 44-pin IDE connectors for 2.5" (laptop-size) HDD or Flash IDE drives including power pins

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.

GPIO Interface

16-bit GPIO, 8 independent GPI and 8 independent GPO programmable by software.

PC/104-Plus and PCI Interface

Bus types

104-pin ISA (8/16-bit) and 120-pin PCI (32-bit) 32-bit standard PCI-slot

Flash Disk DiskOnChip®2000

Package

Single Chip Flash Disk in 32-pin DIP JEDEC

Capacity

up to 288 MByte

High Speed Multi I/O

Chipset

Winbond W83977EF-AW

Serial Ports

three high speed RS-232C ports (COM1/3/4) and one jumper selectable RS-232C/422/485 (COM2) with 16C550 compatible UART and 16 byte FIFO, all provide jumper selectable +5V/ +12V DC power

USB

onboard 2 USB ver 1.0 ports

SIR Interface

onboard IrDA TX/RX port

Floppy Disk Drive Interface

1 ports and up to 2 floppy disk drives.

Bi-directional Parallel Port

2 parallel ports with SPP, EPP and ECP mode.

Keyboard and Mouse Connectors

external PS/2 Keyboard and Mouse ports
onboard AT Keyboard port

Network Interface

Chipset

Intel 82559, 10/100 Mbps, autoswitching, Wake-on-LAN supported

Connector

10-pin onboard headers

Audio Interface

Chipset

ESS PCI AudioDrive® ES1938S

VGA Interface

Chipset

C&T 69000 with 2MB on-die SDRAM, AGP interface and 64-bit engine

Display Type

Flat Panel and CRT displays up to 800 x 600 @ 24 bpp and 1024 x 768 @ 16 bpp

Environmental and Power

Power Requirements

+5 V @ 3.0 A (typical), ±12 V ;
(with Embedded Intel Low Voltage Pentium III 500 MHz and 128MB 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 (LxW)

203 x 146 mm (8" x 5.75"), EBX Form Factor

Board Weight

0.23 Kg.

Operating Temperature

0 to 60°C (32 to 140°F)

Ordering

EmCORE-i6352/AP5 : 5.25" EBX Embedded Intel Mobile Low Voltage Pentium-III 500MHz Littleboard with Onboard 128MB SDRAM, LCD / CRT SVGA, LAN and Audio

EmCORE-i6353/AP5 : same as above but with C&T 69030 with 4 MB on-die SDRAM

EmCORE-i6352/AC4 : same as above but with Intel Embedded Low Voltage Celeron 400 MHz CPU

EmCORE-i6353/AC4 : same as EmCORE-i6352/AC4 but with C&T 69030 with 4 MB on-die SDRAM