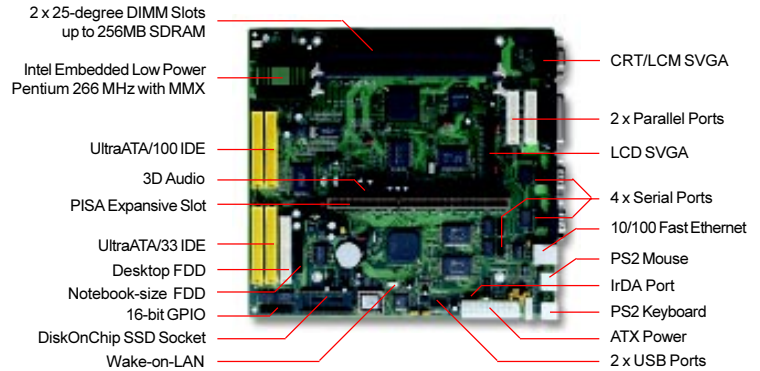
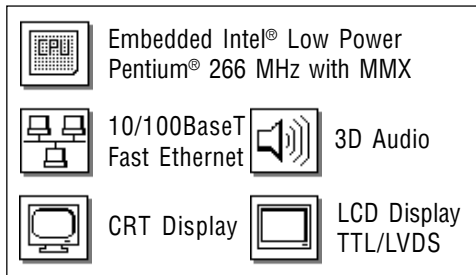


EmCORE-i5525



Low Power Pentium POS

Embedded Low Power Pentium, LCD/CRT, Ethernet, Audio

General Specifications

CPU

Embedded Intel® Low Power Pentium® 266 MHz with MMX technology (onboard mounted)

Chipset

Intel® 82439 TX 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

DRAM Memory

up to 256 MB of SDRAM in two 25-degree 168-pin DIMM sockets

PCI Enhanced IDE with Ultra DMA

4 ports and up to 8 ATAPI devices, including 2 channels of UltraATA/33 and 2 channels of UltraATA/100.

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.

Expansion Interface

one PISA® slot integrated ISA/PCI-bus interface

Flash Disk DiskOnChip®2000

single chip flash disk in 32-pin DIP JEDEC supports up to 288 MByte of capacity.

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

one port and up to 2 floppy disk drives support desktop size FDD port supports 5¼" (360 KB or 1.2 MB) and 3½" (720 KB, 1.44 MB or 2.88 MB) or notebook size FDD.

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

RTL8139C, 10/100 Mbps, autoswitching, Wake-on-LAN supported

Connector

external RJ-45 with LEDs

Audio Interface

Chipset

Advance Logic ALS4000 3D Audio Controller

Connector

Microphone in, line in, CD audio in, line out, speaker L and Speaker R

VGA Interface

Chipset

C&T 69000 with 2MB on-die SDRAM, PCI 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

Connector

external DB-15 / onboard header for CRT onboard header for Flat Panel

Environmental and Power

Power Requirements

+5 V @ 2.75 A (typical), ±12 V ; (Embedded Intel Low Power Pentium 266 MHz and 64MB 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

220 x 235 mm (8.7" x 9.25")

Board Weight

0.44 Kg.

Operating Temperature

0 to 60°C (32 to 140°F)

Ordering

EmCORE-i5525/CL : LPX Embedded Intel Low Power Pentium 266 POS Board with Flat Panel / CRT SVGA, Fast Ethernet, 3D Audio, Ultra DMA/100 IDE Interfaces, 16-bit GPIO, 4 Serial Ports and DiskOnChip Socket