586 GX Lite Main Board

User's Manual
version 2.0

Introduction

This Cyrix MediaGX Lite system board offers the latest technology interface and supports the high performance Cyrix GXi, processors operating from 120MHz to 233MHz.

The AWARD BIOS with deep green power management functions, plug & play auto configuration and board support up to 128MB of memory will maximize the latest operating software applications.

Features

CPU :
Cyrix Media Gxi 120/133/150/166/180/200/233 MHz CPU .

Enhanced I/O Chipset :
ITE 8680/8687 for 2.88 MB FDD, Enhanced I/O 16550 / ECP / EPP bi-direction.

Memory :
Support 64 bit memory, 4 x 72 pin SIMM socket.
Support single side or double side SIMM two banks.
4 MB to 32 MB SIMM, 8 MB up to 128 MB memory.

Expansion slots :
3 x 16 bit ISA slots, 2 x 64 bit PCI ver. 2.1 master slots.

System BIOS function :
Award Deep Green BIOS.
Plug and Play PnP function.
Auto configuration for PCI add-on cards.
I/O Device's power saving, APM, SMI.
Support flash memory for ESCD function.

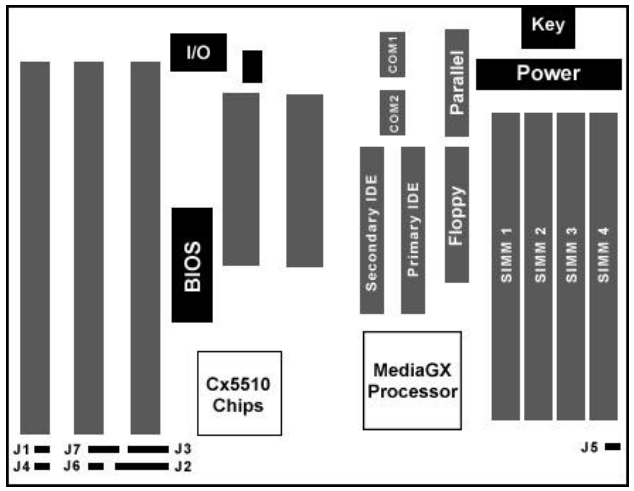
Enhanced PCI IDE and ISA I/O :
Build in Enhanced PCI Local Bus IDE Controller.
Support 4 PCI IDE devices.
Support 2 FDD upto 2.88 MB.
PS/2 Mouse port.
Two Fast Serial ports with 16550.
One Multi mode Parallel port (ECP/EPP).

Attachments :

HDD cable	x 1
FDD cable	x 1
Serial port cable	x 1
Printer port cable	x 1

Dimension :
220 mm x 170 mm

Layout and Position



J1 Reset Switch

J2 Infrared Port

J3 Power LED and Keyboard Lock

J4 HDD LED

J5 Front Panel Fan

J6 CPU Fan

J7 PC Speaker

P4 PS/2 Mouse Port

Memory Configuration

The board support 72 pin Fast Page or EDO SIMMs DRAM whatever single side or double side. There is no jumper nor connector need for configuration. SIMMs can be use parity (x36) or none parity (x32). The 70ns fast page SIMM or 60ns EDO DRAM is needed, at least.

Bank 0	Bank 1	Bank 0	Bank 1	Total
4MBSS		4MBSS		8MB
4MBSS	4MBSS	4MBSS	4MBSS	16MB
8MBDS		8MBDS		16MB
8MBDS	4MBSS	8MBDS	4MBSS	24MB
8MBDS	8MBDS	8MBDS	8MBDS	32MB
16MBSS		16MBSS		32MB
16MBSS	4MBSS	16MBSS	8MBSS	40MB
16MBSS	8MBSS	16MBSS	8MBSS	48MB
16MBSS	16MBSS	16MBSS	16MBSS	64MB
32MBDS		32MBDS		64MB
32MBDS	4MBSS	32MBDS	4MBSS	72MB
32MBDS	8MBSS	32MBDS	8MBSS	80MB
32MBDS	16MBSS	32MBDS	16MBSS	96MB
32MBDS	32MBDS	32MBDS	32MBDS	128MB

SS = Single side SIMM RAM module
DS = Double side SIMM RAM module