



## 586 GX Lite Main Board

### User's Manual version 1.0

## ***Congratulations !***

You are going to install **the world's smallest and lightest** pentium based system motherboard. It measures just **220 mm x 170 mm** and weighs just **0.2Kg**. It is also the world first **Cyrix GX lite** System, extracting only the essence from a fully powered **586GX, Multi Media Platform**. It fits to be used in fields of office, corporations, POS, chain-store and internet environment. Here, let's run over the GX lite features before you enjoy a successful installation.

### ***Features***

Chipset	Cyrix GX Media Chipset Integrated with Pentium grade Processor
Cache	16K Dual pipelined write back cache
Sys. Spd.	120/133/150/166/180/200/233 MHz
Voltage	Dual voltage 2.8V and 3.3V Adjustable from 2.5V to 3.9V ( factory preset )
Memory	Supports up to 128MB Hyper Page EDO DRAM at 64 bit access
I/O	PnP v1.0a Compatible Dual Bus Master IDE Ports for HDD & ATA CDROM Multi Mode Parallel Port : SPP,EPP,ECP 2.88 MB / 1.44 MB Floppy Drive Controller Fast 16550 Dual Ports
Slot	2 x PCI with IRQ lines 5,7,9,10,11,12,14, 15 available 3 x 16 bit ISA with IRQ lines 3,4,5,7,9, 12,14,15 available

BIOS	Upgradable Flash BIOS
Size	Cmpact Form Factor : only 220 mm x 170mm, slot size motherboard
Weight	Just only 0.2 Kg
Other	Protective cover, cooler or hearsink provided
Option	PS/2 Mouse Port & PS/2 Keyboard Port
Testing	Certified and tested by Cyrix

## ***Hardware Configuration***

### ***Jumper Setting***

- Cyrix GX lite system motherboard is a jumpless one, no need to set jumper.

### ***I/O ports***

J51	PS/2 Keyboard Port ( option )
J33	AT Keyboard Port
J34	PS/2 Mouse Port ( option )
J46	iRD Port
J35	Printer Port
J12	FDD Port
J8	Primary IDE Port
J9	Secondary IDE Port
J31	Com 1 / Com 3
J32	Com 2 / Com 4

Note :

- PS/2 KB and AT KB ports are mutual exclusively used.
- Most I/O ports can be reconfigured by changing the setting in the BIOS 'Integrated Peripherals' option
- All ports have a triangle to mark as pin one

### **Case panel controls**

J6 Reset System  
J10 HDD Led  
J30 Speaker  
J40 1-3 power LED  
4-5 KB Lock

### **CMOS setup and reset**

The **GX lite System Motherboard** comes with a most user friendly BIOS, which automatically loads the default setting and automatically detects hard disk parameters.

Theoretically, CMOS reset is not necessary. But in absolute case, if a reset is needed, please, power off the System, take away the battery cell, short 'OP12' with a HB pencil. ( OP12 is an open pad, next to the battery ). Then re-insert the battery and power on the system.

Press 'Del' key. Move the cursor to 'load setup default', press 'Enter' key and then 'Y' key.

## **WARNING :**

**Make Sure a proper connection of power plug to the AT power connector on J37. Any right or left shift of the power line or improper insertion of the power plug to the motherboard would cause system burnt and void of warranty.**

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**USER'S QUICK reference 1.0**