

GEMLIGHT COMPUTER, LTD.

GMB-P6LIAK (VER. 1.04)

Configuration

CONNECTIONS

Purpose	Location	Purpose	Location
CPU fan power	FAN1	IDE interface 1	JP11
ATX power connector	JP1	IDE interface 2	JP12
AT keyboard port	JP2	IDE interface LED	JP13
PS/2 mouse port	JP3	Power on/off switch connector	JP14
USB connector	JP4	IR connector	JP15
Serial port 1	JP5	Reset switch	JP16
Parallel port	JP6	Speaker	JP17
Serial port 2	JP7	Power LED	JP18
Floppy drive interface	JP10	32-bit PCI slots	PC1 - PC4

USER CONFIGURABLE SETTINGS

Function	Label	Position
» CMOS memory normal operation	J6	Pins 1 & 2 closed
CMOS memory clear	J6	Pins 2 & 3 closed
» Flash BIOS voltage select 5v	J8	Pins 1 & 2 closed
Flash BIOS voltage select 12v	J8	Pins 2 & 3 closed

DRAM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2	Bank 3
8MB	(1) 1MB x 64	None	None	None
16MB	(1) 1MB x 64	(1) 1MB x 64	None	None
16MB	(1) 2MB x 64	None	None	None
24MB	(1) 1MB x 64	(1) 1MB x 64	(1) 1MB x 64	None
24MB	(1) 2MB x 64	(1) 1MB x 64	None	None

32MB	(1) 1MB x 64	(1) 1MB x 64	(1) 1MB x 64	(1) 1MB x 64
32MB	(1) 2MB x 64	(1) 2MB x 64	None	None
32MB	(1) 4MB x 64	None	None	None
32MB	(1) 2MB x 64	(1) 1MB x 64	(1) 1MB x 64	None
48MB	(1) 2MB x 64	(1) 2MB x 64	(1) 2MB x 64	None
48MB	(1) 4MB x 64	(1) 2MB x 64	None	None
64MB	(1) 2MB x 64	(1) 2MB x 64	(1) 2MB x 64	(1) 2MB x 64
64MB	(1) 4MB x 64	(1) 4MB x 64	None	None
64MB	(1) 8MB x 64	None	None	None
64MB	(1) 4MB x 64	(1) 2MB x 64	(1) 2MB x 64	None
96MB	(1) 4MB x 64	(1) 4MB x 64	(1) 4MB x 64	None
96MB	(1) 8MB x 64	(1) 4MB x 64	None	None
120MB	(1) 8MB x 64	(1) 4MB x 64	(1) 2MB x 64	(1) 1MB x 64
128MB	(1) 4MB x 64	(1) 4MB x 64	(1) 4MB x 64	(1) 4MB x 64
128MB	(1) 8MB x 64	(1) 8MB x 64	None	None
128MB	(1) 16MB x 64	None	None	None
128MB	(1) 8MB x 64	(1) 4MB x 64	(1) 4MB x 64	None
192MB	(1) 8MB x 64	(1) 8MB x 64	(1) 8MB x 64	None
192MB	(1) 16MB x 64	(1) 8MB x 64	None	None

DRAM CONFIGURATION (CONT.)

Size	Bank 0	Bank 1	Bank 2	Bank 3
240MB	(1) 16MB x 64	(1) 8MB x 64	(1) 4MB x 64	(1) 2MB x 64
256MB	(1) 8MB x 64	(1) 8MB x 64	(1) 8MB x 64	(1) 8MB x 64
256MB	(1) 16MB x 64	(1) 16MB x 64	None	None
256MB	(1) 32MB x 64	None	None	None

256MB	(1) 16MB x 64	(1) 8MB x 64	(1) 8MB x 64	None
384MB	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64	None
384MB	(1) 32MB x 64	(1) 16MB x 64	None	None
448MB	(1) 32MB x 64	(1) 16MB x 64	(1) 8MB x 64	(1) 4MB x 64
512MB	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64
512MB	(1) 32MB x 64	(1) 32MB x 64	None	None
512MB	(1) 32MB x 64	(1) 16MB x 64	(1) 16MB x 64	None
768MB	(1) 32MB x 64	(1) 32MB x 64	(1) 32MB x 64	None
1024MB	(1) 32MB x 64	(1) 32MB x 64	(1) 32MB x 64	(1) 32MB x 64

CPU SPEED SELECTION

CPU Speed	Clock Speed	Mutliplier	JP5/pins 1 & 2	JP5/pins 3 & 4	JP5/pins 5 & 6
233MHz	66MHz	3.5x	Open	Open	Closed
266MHz	66MHz	4x	Closed	Closed	Open
300MHz	66MHv	4.5x	Open	Closed	Open
333MHz	66MHz	5x	Closed	Open	Open