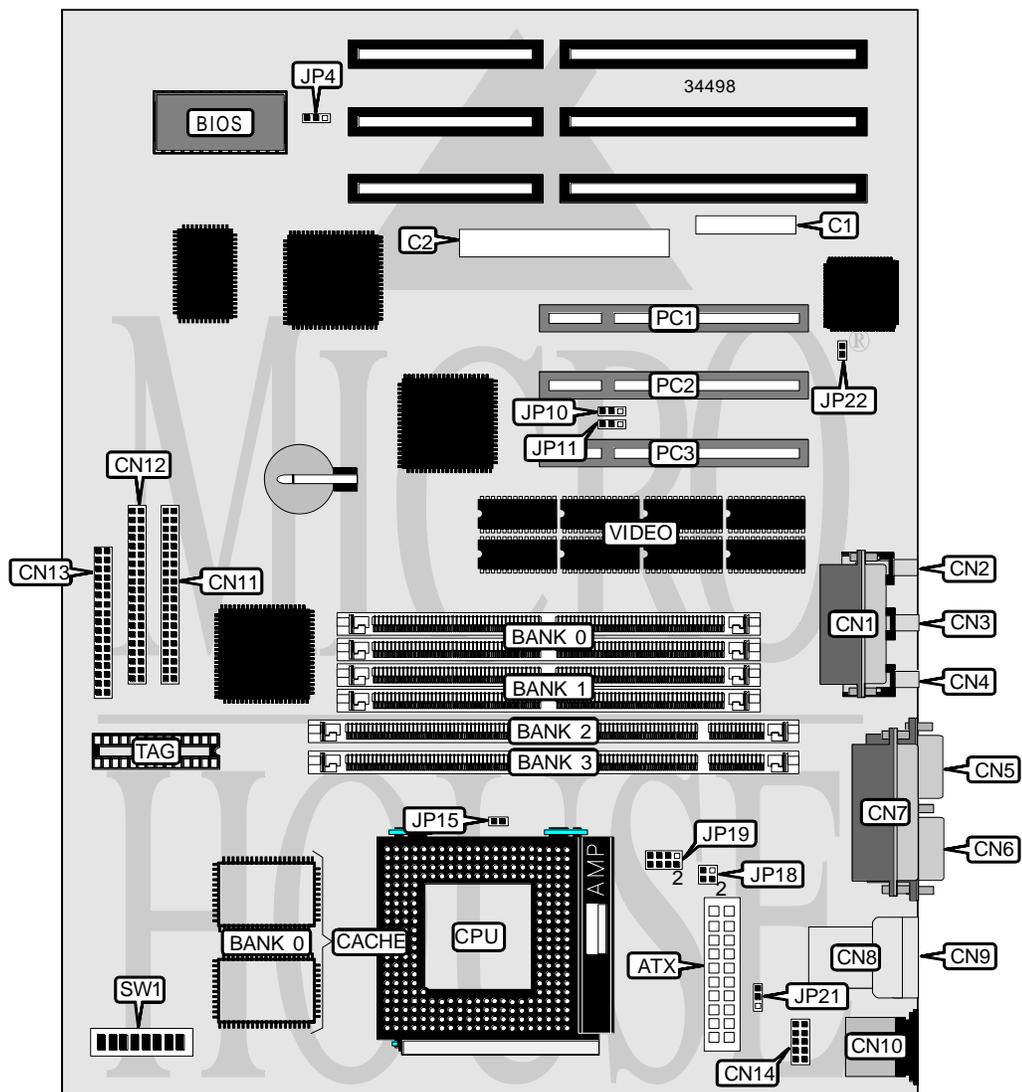


GEMLIGHT COMPUTER, LTD.

GMB-P571AA (VER. 1.00)

Processor	CX 6X86/CX 6X86L/CX 6X86MX/AM K5/AM K6/Pentium
Processor Speed	90/100/120/133/150/166/200/233/266MHz
Chip Set	Intel
Video Chip Set	ATI
Maximum Onboard Memory	256MB (EDO supported)
Maximum Video Memory	4MB
Cache	256/512KB
BIOS	Award
Dimensions	304mm x 245mm
I/O Options	32-bit PCI slots (3), floppy drive interface, game/MIDI port, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), VGA port, USB connectors (2), ATX power connector, microphone in, line in, speaker out, AMC/VFC connector, TV out connector
NPU Options	None



Continued on next page...

GEMLIGHT COMPUTER, LTD.
 GMB-P571AA (VER. 1.00)

... continued from previous page

CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	Parallel port	CN7
TV out connector	C1	USB connector 1	CN8
AMC/VFC connector	C2	USB connector 2	CN9
Game/MIDI port	CN1	PS/2 mouse port	CN10
Microphone in	CN2	IDE interface 1	CN11
Line in	CN3	IDE interface 2	CN12
Speaker out	CN4	Floppy drive interface	CN13
VGA port	CN5	Serial port 2	CN14
Serial port 1	CN6	32-bit PCI slots	PCI – PC3

USER CONFIGURABLE SETTINGS		
Function	Label	Position
Flash BIOS voltage select 12v	JP4	Pins 1 & 2 closed
Flash BIOS voltage select 5v	JP4	Pins 2 & 3 closed
VGA IRQ enabled	JP10	Pins 2 & 3 closed
VGA IRQ disabled	JP10	Pins 1 & 2 closed
On board video enabled	JP11	Pins 2 & 3 closed
On board video disabled	JP11	Pins 1 & 2 closed
í Factory configured - do not alter	JP15	Open
Ring in select COM1	JP21	Pins 2 & 3 closed
Ring in select COM2	JP21	Pins 1 & 2 closed
On board audio enabled	JP22	Closed
On board audio disabled	JP22	Open

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
8MB	(2) 1M x 32	None
16MB	(2) 2M x 32	None
16MB	(2) 1M x 32	(2) 1M x 32
24MB	(2) 2M x 32	(2) 1M x 32
32MB	(2) 4M x 32	None
32MB	(2) 2M x 32	(2) 2M x 32
40MB	(2) 4M x 32	(2) 1M x 32
48MB	(2) 4M x 32	(2) 2M x 32
64MB	(2) 8M x 32	None
64MB	(2) 4M x 32	(2) 4M x 32
72MB	(2) 8M x 32	(2) 1M x 32
80MB	(2) 8M x 32	(2) 2M x 32
96MB	(2) 8M x 32	(2) 4M x 32
128MB	(2) 8M x 32	(2) 8M x 32
128MB	(2) 16M x 32	None
136MB	(2) 16M x 32	(2) 1M x 32

Continued on next page...

GEMLIGHT COMPUTER, LTD.
GMB-P571AA (VER. 1.00)

... continued from previous page

DRAM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
144MB	(2) 16M x 32	(2) 2M x 32
160MB	(2) 16M x 32	(2) 4M x 32
192MB	(2) 16M x 32	(2) 8M x 32
256MB	(2) 16M x 32	(2) 16M x 32

Note: Board accepts EDO memory.

DIMM CONFIGURATION		
Size	Bank 0	Bank 1
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64

CACHE CONFIGURATION		
Size	Bank 0	TAG
256KB	(2) 32K x 32	Unidentified
512KB	(2) 64K x 32	Unidentified

VIDEO MEMORY CONFIGURATION
Note: Board accepts 1MB/2MB/4MB video memory. The configuration is unidentified.

CPU SPEED SELECTION (CX 6X86)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
133MHz	55MHz	2x	Off	On	On	Off
150MHz	60MHz	2x	Off	On	On	Off
166MHz	66MHz	2x	Off	On	On	On

CPU SPEED SELECTION (CX 6X86, CON'T)						
CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
133MHz	55MHz	2x	Off	On	On	Off
150MHz	60MHz	2x	Off	On	Off	Off
166MHz	66MHz	2x	Off	On	Off	Off

Continued on next page. . .

GEMLIGHT COMPUTER, LTD.
 GMB-P571AA (VER. 1.00)

... continued from previous page

CPU SPEED SELECTION (CX 6X86L/MX)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2x	Off	On	On	Off
200MHz	75MHz	2x	Off	On	On	Off

CPU SPEED SELECTION (CX 6X86L/MX, CON'T)						
CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
166MHz	66MHz	2x	Off	Off	Off	Off
200MHz	75MHz	2x	Off	Off	On	Off

CPU SPEED SELECTION (AM K5)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
90MHz	60MHz	1.5x	Off	On	Off	Off
100MHz	66MHz	1.5x	Off	On	Off	Off
120MHz	60MHz	1.5x	Off	On	Off	Off
133MHz	66MHz	2x	Off	On	On	Off
150MHz	60MHz	1.5x	Off	On	Off	Off
166MHz	66MHz	2.5x	Off	On	On	On

CPU SPEED SELECTION (AM K5, CON'T)						
CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
90MHz	60MHz	1.5x	Off	On	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off
120MHz	60MHz	1.5x	Off	On	Off	Off
133MHz	66MHz	2x	Off	Off	Off	Off
150MHz	60MHz	1.5x	Off	Off	Off	Off
166MHz	66MHz	2.5x	Off	Off	Off	Off

CPU SPEED SELECTION (AM K6)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2.5x	Off	On	On	On
200MHz	66MHz	3x	Off	On	Off	On
233MHz	66MHz	3.5x	Off	On	Off	Off

CPU SPEED SELECTION (AM K6, CON'T)						
CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
166MHz	66MHz	2.5x	Off	Off	Off	Off
200MHz	66MHz	3x	Off	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off

Continued on next page...

GEMLIGHT COMPUTER, LTD.
GMB-P571AA (VER. 1.00)

... continued from previous page

CPU SPEED SELECTION (INTEL)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
90MHz	60MHz	1.5x	Off	On	Off	Off
100MHz	66MHz	1.5x	Off	On	Off	Off
120MHz	60MHz	2x	Off	On	On	Off
133MHz	66MHz	2x	Off	On	On	Off
150MHz	60MHz	2.5x	Off	On	On	On
166MHz	66MHz	2.5x	Off	On	On	On
200MHz	66MHz	3x	Off	On	Off	On
233MHz	66MHz	3.5x	Off	On	Off	Off
266MHz	66MHz	3.5x	Off	On	Off	Off

CPU SPEED SELECTION (INTEL, CON'T)						
CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
90MHz	60MHz	1.5x	Off	On	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off
120MHz	60MHz	2x	Off	On	Off	Off
133MHz	66MHz	2x	Off	Off	Off	Off
150MHz	60MHz	2.5x	Off	On	Off	Off
166MHz	66MHz	2.5x	Off	Off	Off	Off
200MHz	66MHz	3x	Off	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off
266MHz	66MHz	3.5x	Off	Off	Off	Off

CPU VOLTAGE SELECTION (SINGLE)		
Voltage	JP18	JP19
3.3v	Open	1 & 2, 5 & 6, 7 & 8
3.5v	Open	1 & 2, 3 & 4, 5 & 6, 7 & 8

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (DUAL)			
Voltage	V core	JP18	JP19
3.3v	2.8v	1 & 3, 2 & 4	7 & 8
3.3v	2.9v	1 & 3, 2 & 4	1 & 2, 7 & 8
3.3v	3.2v	1 & 3, 2 & 4	5 & 6, 7 & 8

Note: Pins designated should be in the closed position.