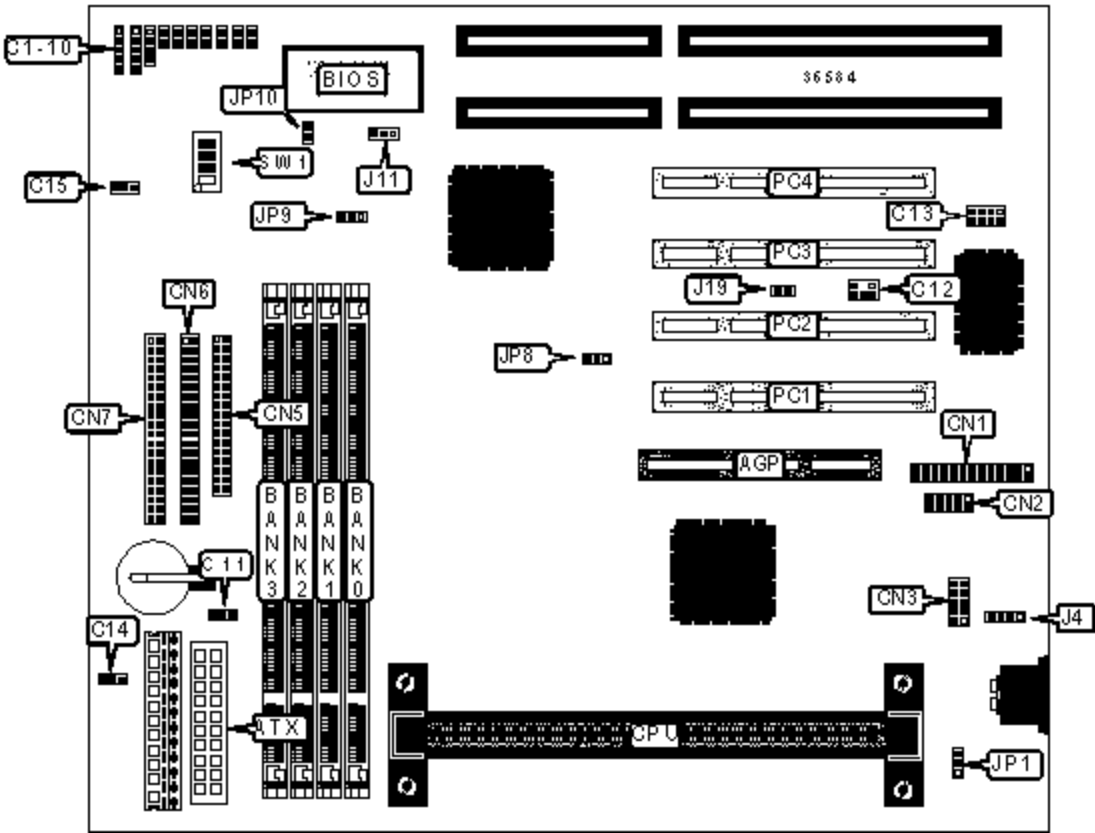


GIGA-BYTE TECHNOLOGY CO., LTD.

GA-6BA (REV. 2.9)

Device Type	Mainboard
Processor	Pentium II/Pentium III/Celeron
Processor Speed	233/266/300/333/350/366/400/450/500/550/600/650MHz
Chip Set	Intel
Maximum Onboard Memory	1GB (SDRAM supported)
Cache	0/128/256/512KB (located on the CPU)
BIOS	Award
Dimensions	254mm x 222mm
I/O Options (backplane)	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connectors (2), ATX power connector, AGP slot, Wake on LAN connector, SB-Link



CONNECTIONS			
Purpose	Location	Purpose	Location
AGP slot	AGP	USB connector	C13
ATX power connector	ATX	System fan power	C14
IR connector	C1	Power fan	C15
Power LED & keylock	C2	Parallel port	CN1
Speaker	C3	Serial port 2	CN2
Turbo LED	C4	Serial port 1	CN3

Turbo switch	C5	PS/2 mouse interface	CN4
Reset switch	C6	Floppy drive interface	CN5
Green PC LED	C7	IDE interface 1	CN6
Green PC connector	C8	IDE interface 2	CN7
IDE interface LED	C9	Wake on LAN connector	J11
Soft off power supply	C10	Modem card ring power connector	J19
CPU fan power	C11	Case open connector	JP10
SB-Link	C12	32-bit PCI slots	PC1 - PC4

USER CONFIGURABLE SETTINGS			
Function		Label	Position
»	Keyboard power on enabled	JP1	Pins 1 & 2 Closed
	Keyboard Power on disabled	JP1	Pins 2 & 3 Closed
	System clock speed auto-detect	JP8	Pins 2 & 3 Closed
	CMOS memory clear	JP9	Pins 1 & 2 Closed
»	CMOS memory normal operation	JP9	Pins 2 & 3 Closed

DIMM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
16MB	(1) 2M x 64	None	None	None
32MB	(1) 2M x 64	(1) 2M x 64	None	None
48MB	(1) 4M x 64	(1) 2M x 64	None	None
64MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None	None	None
64MB	(1) 4M x 64	(1) 4M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64	None
80MB	(1) 8M x 64	(1) 2M x 64	None	None

80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64	None
80MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64	None	None
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
112MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64	None
112MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
112MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
128MB	(1) 16M x 64	None	None	None
128MB	(1) 8M x 64	(1) 8M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
128MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
144MB	(1) 16M x 64	(1) 2M x 64	None	None
144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64	None
144MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None	None
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64	None
160MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64	None
160MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
160MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
176MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
176MB	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64	None
176MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None	None
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64	None
192MB	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	None

192MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
208MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64	None
208MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
208MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64	None
224MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
224MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
224MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
240MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64
256MB	(1) 32M x 64	None	None	None
256MB	(1) 16M x 64	(1) 16M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
256MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
272MB	(1) 32M x 64	(1) 2M x 64	None	None
272MB	(1) 16M x 64	(1) 16M x 64	(1) 2M x 64	None
272MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64	None	None
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64	None
288MB	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64	None
288MB	(1) 16M x 64	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
288MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
304MB	(1) 32M x 64	(1) 4M x 64	(1) 2M x 64	None
304MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
304MB	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64
320MB	(1) 32M x 64	(1) 8M x 64	None	None
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64	None
320MB	(1) 32M x 64	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64

320MB	(1) 16M x 64	(1) 16M x 64	(1) 8M x 64	None
320MB	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
320MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
336MB	(1) 32M x 64	(1) 8M x 64	(1) 2M x 64	None
336MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
336MB	(1) 16M x 64	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64
352MB	(1) 32M x 64	(1) 8M x 64	(1) 4M x 64	None
352MB	(1) 32M x 64	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
352MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
352MB	(1) 16M x 64	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
368MB	(1) 32M x 64	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64
384MB	(1) 32M x 64	(1) 16M x 64	None	None
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64	None
384MB	(1) 32M x 64	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	None
384MB	(1) 16M x 64	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
400MB	(1) 32M x 64	(1) 16M x 64	(1) 2M x 64	None
400MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
400MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 2M x 64
416MB	(1) 32M x 64	(1) 16M x 64	(1) 4M x 64	None
416MB	(1) 32M x 64	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
416MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
416MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64
432MB	(1) 32M x 64	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64
448MB	(1) 32M x 64	(1) 16M x 64	(1) 8M x 64	None
448MB	(1) 32M x 64	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
448MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
448MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 8M x 64
464MB	(1) 32M x 64	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64

480MB	(1) 32M x 64	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None	None
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64	None
512MB	(1) 32M x 64	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
528MB	(1) 32M x 64	(1) 32M x 64	(1) 2M x 64	None
528MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64	(1) 2M x 64
544MB	(1) 32M x 64	(1) 32M x 64	(1) 4M x 64	None
544MB	(1) 32M x 64	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
544MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64
560MB	(1) 32M x 64	(1) 32M x 64	(1) 4M x 64	(1) 2M x 64
576MB	(1) 32M x 64	(1) 32M x 64	(1) 8M x 64	None
576MB	(1) 32M x 64	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
576MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64	(1) 8M x 64
592MB	(1) 32M x 64	(1) 32M x 64	(1) 8M x 64	(1) 2M x 64
608MB	(1) 32M x 64	(1) 32M x 64	(1) 8M x 64	(1) 4M x 64
640MB	(1) 32M x 64	(1) 32M x 64	(1) 16M x 64	None
640MB	(1) 32M x 64	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
640MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
656MB	(1) 32M x 64	(1) 32M x 64	(1) 16M x 64	(1) 2M x 64
672MB	(1) 32M x 64	(1) 32M x 64	(1) 16M x 64	(1) 4M x 64
704MB	(1) 32M x 64	(1) 32M x 64	(1) 16M x 64	(1) 8M x 64
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	None
768MB	(1) 32M x 64	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
784MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	(1) 2M x 64
800MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	(1) 4M x 64
836MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	(1) 8M x 64
836MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	None

Note: Board accepts SDRAM memory.

CACHE CONFIGURATION

Note: 256KB/512KB cache is located on the Pentium II/Pentium III CPU. 128KB cache is located on the Celeron 300 & 333A CPU.

CPU SPEED SELECTION

CPU speed	Clock speed	Multiplier	JP8	SW1/1	SW1/2	SW1/3	SW1/4
233MHz	66MHz	3.5x	Pins 1 & 2	Off	Off	On	On
266MHz	66MHz	4x	Pins 1 & 2	On	On	Off	On
300MHz	66MHz	4.5x	Pins 1 & 2	Off	On	Off	On
333MHz	66MHz	5x	Pins 1 & 2	On	Off	Off	On
366MHz	66MHz	5.5x	Pins 1 & 2	Off	Off	Off	On
400MHz	66MHz	6x	Pins 1 & 2	On	On	On	Off
433MHz	66MHz	6.5x	Pins 1 & 2	Off	On	On	Off
350MHz	100MHz	3.5x	Open	Off	Off	On	On
400MHz	100MHz	4x	Open	On	On	Off	On
450MHz	100MHz	4.5x	Open	Off	On	Off	On
500MHz	100MHz	5x	Open	On	Off	Off	On
550MHz	100MHz	5.5x	Open	Off	Off	Off	On
600MHz	100MHz	6x	Open	On	On	On	Off
650MHz	100MHz	6.5x	Open	Off	On	On	Off

Note: Pins designated should be in the closed position.