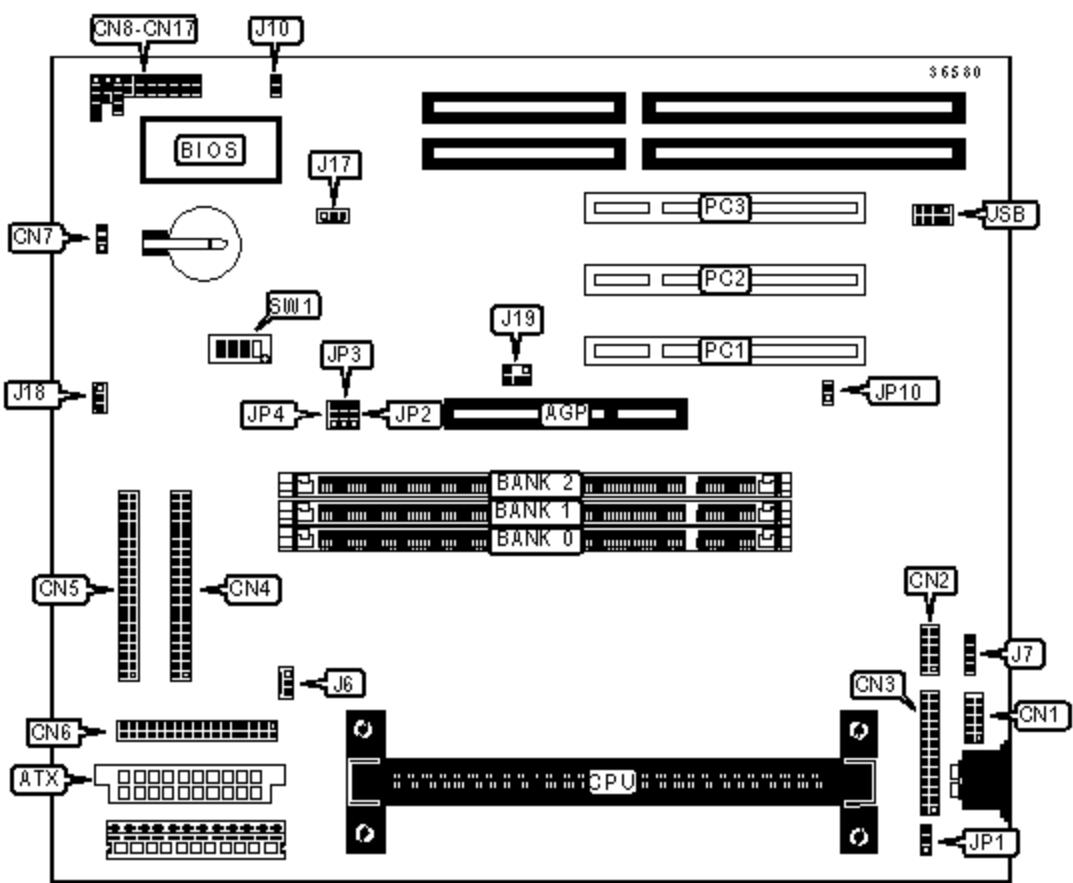


GIGA-BYTE TECHNOLOGY CO., LTD.

GA-6EA (REV. 3.1)

Device Type	Mainboard
Processor	Pentium II/Celeron
Processor Speed	233/266/300/333/366
Chip Set	Intel 440LX
Maximum Onboard Memory	768MB (EDO & SDRAM supported)
Cache	0/128/256/512KB (Located on the CPU)
BIOS	Award
Dimensions	254mm x 218mm
I/O Options	32-bit PCI slots (3), CD-ROM interface, floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connector, ATX power connector, AGP slot, Wake-on-LAN connector, SB-Link connector



CONNECTIONS			
Purpose	Location	Purpose	Location
AGP slot	AGP	Reset switch	CN13
ATX power connector	ATX	Green PC LED	CN14
Serial port 2	CN1	Green PC connector	CN15
Serial port 1	CN2	IDE interface LED	CN16
Parallel port	CN3	Soft off power supply	CN17
IDE interface 1	CN4	CPU fan power	J6

IDE interface 2	CN5	PS/2 mouse interface	J7
Floppy drive interface	CN6	ATX Power control selection	J10
Wake-on-LAN connector	CN7	System Fan connector	J17
IR connector	CN8	Chassis fan power	J18
Power LED	CN9	SB-Link connector	J19
Speaker	CN10	Ring power connector	JP10
Turbo LED	CN11	32-bit PCI slots	PC1 - PC3
Turbo switch	CN12	USB connector	USB

USER CONFIGURABLE SETTINGS			
Function		Label	Position
»	Keyboard power in disabled	JP1	Pins 2 & 3 Closed
	Keyboard power on enabled	JP1	Pins 1 & 2 Closed

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

48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 4M x 64	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
72MB	(1) 8M x 64	(1) 1M x 64	None
72MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64	None
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64
96MB	(1) 8M x 64	(1) 4M x 64	None
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
104MB	(1) 8M x 64	(1) 4M x 64	(1) 1M x 64
112MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 8M x 64	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
136MB	(1) 16M x 64	(1) 1M x 64	None
136MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64	None
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
152MB	(1) 16M x 64	(1) 2M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
160MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
168MB	(1) 16M x 64	(1) 4M x 64	(1) 1M x 64
176MB	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64

176MB	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
200MB	(1) 16M x 64	(1) 8M x 64	(1) 1M x 64
208MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 16M x 64	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
264MB	(1) 32M x 64	(1) 1M x 64	None
264MB	(1) 16M x 64	(1) 16M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64	None
272MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64
272MB	(1) 16M x 64	(1) 16M x 64	(1) 2M x 64
280MB	(1) 32M x 64	(1) 2M x 64	(1) 1M x 64
288MB	(1) 32M x 64	(1) 4M x 64	None
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
288MB	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64
296MB	(1) 32M x 64	(1) 4M x 64	(1) 1M x 64
304MB	(1) 32M x 64	(1) 4M x 64	(1) 2M x 64
320MB	(1) 32M x 64	(1) 8M x 64	None
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
320MB	(1) 16M x 64	(1) 16M x 64	(1) 8M x 64
328MB	(1) 32M x 64	(1) 8M x 64	(1) 1M x 64
336MB	(1) 32M x 64	(1) 8M x 64	(1) 2M x 64
352MB	(1) 32M x 64	(1) 8M x 64	(1) 4M x 64
384MB	(1) 32M x 64	(1) 16M x 64	none
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64

384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
392MB	(1) 32M x 64	(1) 16M x 64	(1) 1M x 64
400MB	(1) 32M x 64	(1) 16M x 64	(1) 2M x 64
416MB	(1) 32M x 64	(1) 16M x 64	(1) 4M x 64
448MB	(1) 32M x 64	(1) 16M x 64	(1) 8M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
520MB	(1) 32M x 64	(1) 32M x 64	(1) 1M x 64
528MB	(1) 32M x 64	(1) 32M x 64	(1) 2M x 64
544MB	(1) 32M x 64	(1) 32M x 64	(1) 4M x 64
576MB	(1) 32M x 64	(1) 32M x 64	(1) 8M x 64
640MB	(1) 32M x 64	(1) 32M x 64	(1) 16M x 64
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64
Note: Board accepts EDO and SDRAM memory.			

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

CPU SPEED SELECTION					
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4
233MHz	66MHz	3.5x	2 & 3	2 & 3	2 & 3
266MHz	66MHz	4x	2 & 3	2 & 3	2 & 3
300MHz	66MHz	4.5x	2 & 3	2 & 3	2 & 3
333MHz	66MHz	5x	2 & 3	2 & 3	2 & 3
366MHz	66MHz	5.5x	2 & 3	2 & 3	2 & 3
Note: Pins designated should be in the closed position.					

