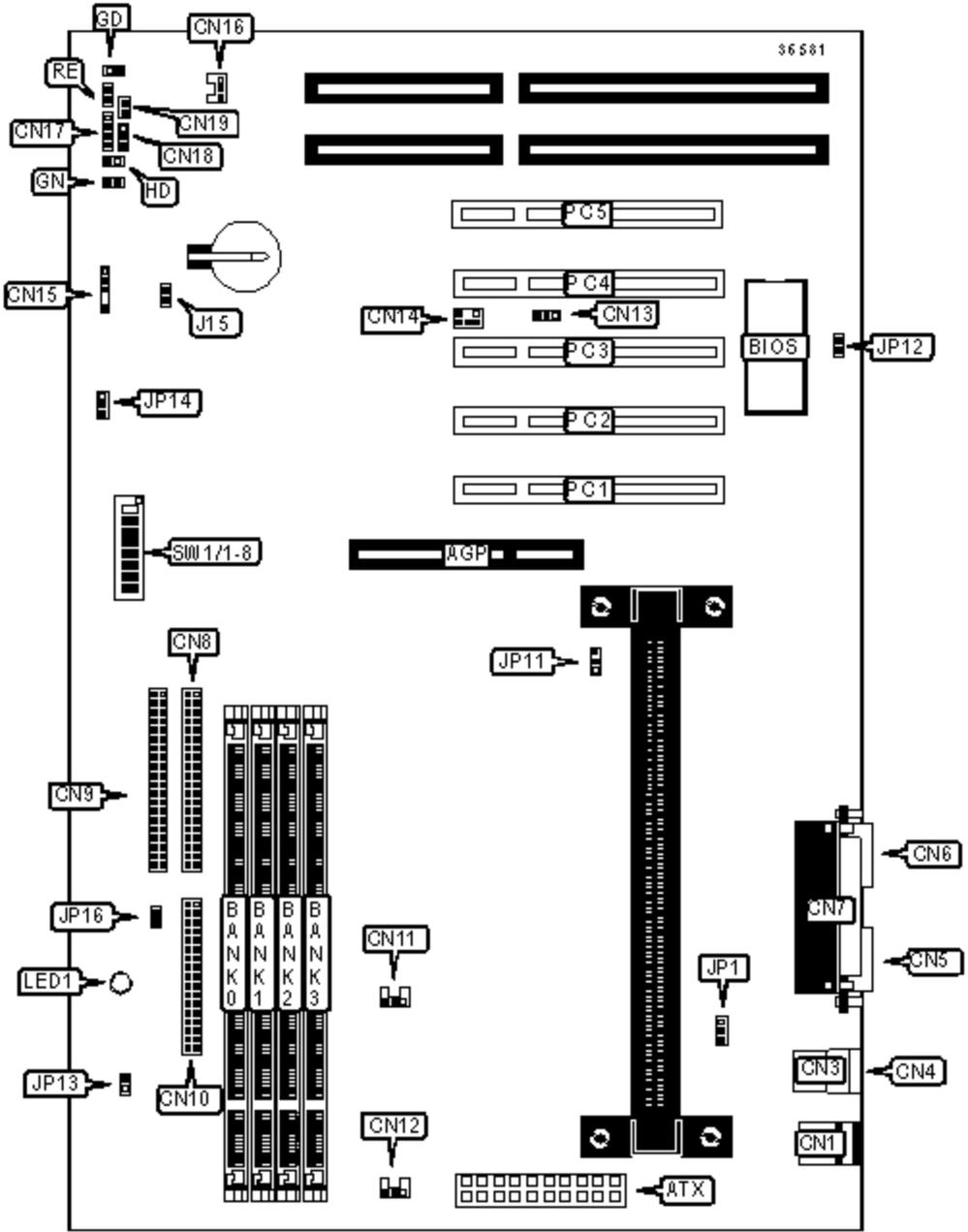


# GIGA-BYTE TECHNOLOGY CO., LTD.

## GA-6BXE (REV. 1.9)

<b>Device Type</b>	Mainboard
<b>Processor</b>	Pentium II/Pentium III/Celeron
<b>Processor Speed</b>	233/266/300/333/350/366/400/433/450/500/550/600/650MHz
<b>Chip Set</b>	Intel 440BX
<b>Maximum Onboard Memory</b>	1GB (SDRAM supported)
<b>Cache</b>	0/128/256/512KB (located on the CPU)
<b>BIOS</b>	Award
<b>Dimensions</b>	305mm x 190mm
<b>I/O Options</b>	32-bit PCI slots (5), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector, AGP slot, SB-Link connector, Wake on LAN connector



### CONNECTIONS

Purpose	Location	Purpose	Location

AGP slot	AGP	SB-Link connector	CN14
ATX power connector	ATX	IR connector	CN15
PS/2 mouse port	CN1	Chassis fan connector	CN16
USB connector 1	CN3	Speaker	CN17
USB connector 2	CN4	Power LED	CN18
Serial port 1	CN5	Soft power supply	CN19
Serial port 2	CN6	Green PC LED	GD
Parallel port	CN7	Green PC connector	GN
IDE interface 1	CN8	IDE interface LED	HD
IDE interface 2	CN9	Case open connector	JP12
Floppy drive interface	CN10	External STR LED connector	JP16
Power fan	CN11	Suspend to RAM LED	LED1
CPU fan power	CN12	32-bit PCI slots	PC1 - PC5
Wake on LAN connector	CN13	Reset switch	RE

### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	ATX power control select soft off	J15	Open
	ATX power control select soft off/full on	J15	Closed
»	Keyboard power disabled	JP1	Pins 2 & 3 Closed
	Keyboard power enabled	JP1	Pins 1 & 2 Closed
»	100MHz normal operation	JP11	Pins 2 & 3 Closed
	100MHz turbo and other frequencies	JP11	Pins 1 & 2 Closed
	Suspend to RAM enabled	JP13	Closed
	Normal operation	JP13	Open
»	CMOS memory normal operation	JP14	Pins 2 & 3 closed
	CMOS memory clear	JP14	Pins 1 & 2 closed

## DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2	Bank 3
16MB	(1) 2MB x 64	None	None	None
32MB	(1) 2MB x 64	(1) 2MB x 64	None	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) 8MB x 64	None	None	None
64MB	(1) 4MB x 64	(1) 4MB x 64	None	None
80MB	(1) 8MB x 64	(1) 2MB x 64	None	None
80MB	(1) 4MB x 64	(1) 4MB x 64	(1) 2MB x 64	None
80MB	(1) 4MB x 64	(1) 2MB x 64	(1) 2MB x 64	(1) 2MB x 64
96MB	(1) 8MB x 64	(1) 4MB x 64	None	None
96MB	(1) 8MB 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
112MB	(1) 8MB x 64	(1) 4MB x 64	(1) 2MB x 64	None
112MB	(1) 8MB x 64	(1) 2MB x 64	(1) 2MB x 64	(1) 2MB x 64
112MB	(1) 4MB x 64	(1) 4MB x 64	(1) 4MB x 64	(1) 2MB x 64
128MB	(1) 16MB x 64	None	None	None
128MB	(1) 8MB x 64	(1) 8MB x 64	None	None
128MB	(1) 8MB x 64	(1) 4MB x 64	(1) 4MB x 64	None
144MB	(1) 16MB x 64	(1) 2MB x 64	None	None
144MB	(1) 8MB x 64	(1) 8MB x 64	(1) 2MB x 64	None
144MB	(1) 8MB x 64	(1) 4MB x 64	(1) 4MB x 64	(1) 2MB x 64
160MB	(1) 16MB x 64	(1) 4MB x 64	None	None
160MB	(1) 16MB x 64	(1) 2MB x 64	(1) 2MB x 64	None
160MB	(1) 8MB x 64	(1) 8MB x 64	(1) 4MB x 64	None
176MB	(1) 16MB x 64	(1) 2MB x 64	(1) 2MB x 64	(1) 2MB x 64
176MB	(1) 16MB x 64	(1) 4MB x 64	(1) 2MB x 64	None

176MB	(1) 8MB x 64	(1) 8MB x 64	(1) 4MB x 64	(1) 2MB x 64
176MB	(1) 8MB x 64	(1) 8MB x 64	(1) 4MB x 64	(1) 2MB x 64
192MB	(1) 16MB x 64	(1) 8MB x 64	None	None
192MB	(1) 16MB 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
208MB	(1) 16MB x 64	(1) 8MB x 64	(1) 2MB x 64	None
208MB	(1) 16MB x 64	(1) 4MB x 64	(1) 4MB x 64	(1) 2MB x 64
208MB	(1) 8MB x 64	(1) 8MB x 64	(1) 8MB x 64	(1) 2MB x 64
224MB	(1) 16MB x 64	(1) 8MB x 64	(1) 4MB x 64	None
224MB	(1) 16MB x 64	(1) 4MB x 64	(1) 4MB x 64	(1) 4MB x 64
224MB	(1) 8MB x 64	(1) 8MB x 64	(1) 8MB x 64	(1) 4MB x 64
240MB	(1) 16MB x 64	(1) 8MB x 64	(1) 4MB x 64	(1) 2MB x 64
256MB	(1) 32MB x 64	None	None	None
256MB	(1) 16MB x 64	(1) 16MB x 64	None	None
256MB	(1) 16MB x 64	(1) 8MB x 64	(1) 8MB x 64	None
272MB	(1) 32MB x 64	(1) 2MB x 64	None	None
272MB	(1) 16MB x 64	(1) 16MB x 64	(1) 2MB x 64	None
272MB	(1) 16MB x 64	(1) 8MB x 64	(1) 8MB x 64	(1) 2MB x 64
288MB	(1) 32MB x 64	(1) 4MB x 64	None	None
288MB	(1) 16MB x 64	(1) 16MB x 64	(1) 4MB x 64	None
288MB	(1) 16MB x 64	(1) 8MB x 64	(1) 8MB x 64	(1) 4MB x 64
304MB	(1) 32MB x 64	(1) 4MB x 64	(1) 2MB x 64	None
304MB	(1) 32MB x 64	(1) 2MB x 64	(1) 2MB x 64	(1) 2MB x 64
304MB	(1) 16MB x 64	(1) 16MB x 64	(1) 4MB x 64	(1) 2MB x 64
320MB	(1) 32MB x 64	(1) 8MB x 64	None	None
320MB	(1) 16MB x 64	(1) 16MB x 64	(1) 8MB x 64	None
320MB	(1) 16MB x 64	(1) 8MB x 64	(1) 8MB x 64	(1) 8MB x 64
336MB	(1) 32MB x 64	(1) 8MB x 64	(1) 2MB x 64	None
336MB	(1) 32MB x 64	(1) 4MB x 64	(1) 4MB x 64	(1) 2MB x 64

336MB	(1) 16MB x 64	(1) 16MB x 64	(1) 8MB x 64	(1) 2MB x 64
352MB	(1) 32MB x 64	(1) 8MB x 64	(1) 4MB x 64	None
352MB	(1) 32MB x 64	(1) 4MB x 64	(1) 4MB x 64	(1) 4MB x 64
352MB	(1) 16MB x 64	(1) 16MB x 64	(1) 8MB x 64	(1) 4MB x 64
368MB	(1) 32MB x 64	(1) 8MB x 64	(1) 4MB x 64	(1) 2MB x 64
384MB	(1) 32MB x 64	(1) 16MB x 64	None	None
384MB	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64	None
384MB	(1) 16MB x 64	(1) 16MB x 64	(1) 8MB x 64	(1) 8MB x 64
400MB	(1) 32MB x 64	(1) 16MB x 64	(1) 2MB x 64	None
400MB	(1) 32MB x 64	(1) 8MB x 64	(1) 8MB x 64	(1) 2MB x 64
400MB	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64	(1) 2MB x 64
416MB	(1) 32MB x 64	(1) 16MB x 64	(1) 4MB x 64	None
416MB	(1) 32MB x 64	(1) 8MB x 64	(1) 8MB x 64	(1) 4MB x 64
416MB	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64	(1) 4MB x 64
432MB	(1) 32MB x 64	(1) 16MB x 64	(1) 4MB x 64	(1) 2MB x 64
448MB	(1) 32MB x 64	(1) 16MB x 64	(1) 8MB x 64	None
448MB	(1) 32MB x 64	(1) 8MB x 64	(1) 8MB x 64	(1) 8MB x 64
448MB	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64	(1) 8MB x 64
464MB	(1) 32MB x 64	(1) 16MB x 64	(1) 8MB x 64	(1) 2MB x 64
480MB	(1) 32MB x 64	(1) 16MB x 64	(1) 8MB x 64	(1) 4MB 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
512MB	(1) 16MB x 64			
528MB	(1) 32MB x 64	(1) 32MB x 64	(1) 2MB x 64	None
528MB	(1) 32MB x 64	(1) 16MB x 64	(1) 16MB x 64	(1) 2MB x 64
544MB	(1) 32MB x 64	(1) 32MB x 64	(1) 4MB x 64	None
544MB	(1) 32MB x 64	(1) 32MB x 64	(1) 2MB x 64	(1) 2MB x 64
544MB	(1) 32MB x 64	(1) 16MB x 64	(1) 16MB x 64	(1) 4MB x 64
560MB	(1) 32MB x 64	(1) 16MB x 64	(1) 4MB x 64	(1) 2MB x 64

560MB	(1) 32MB x 64	(1) 32MB x 64	(1) 4MB x 64	(1) 2MB x 64
576MB	(1) 32MB x 64	(1) 32MB x 64	(1) 8MB x 64	None
576MB	(1) 32MB x 64	(1) 32MB x 64	(1) 4MB x 64	(1) 4MB x 64
576MB	(1) 32MB x 64	(1) 16MB x 64	(1) 16MB x 64	(1) 8MB x 64
592MB	(1) 32MB x 64	(1) 32MB x 64	(1) 8MB x 64	(1) 2MB x 64
608MB	(1) 32MB x 64	(1) 32MB x 64	(1) 8MB x 64	(1) 4MB x 64
640MB	(1) 32MB x 64	(1) 32MB x 64	(1) 16MB x 64	None
640MB	(1) 32MB x 64	(1) 32MB x 64	(1) 8MB x 64	(1) 8MB x 64
640MB	(1) 32MB x 64	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64
656MB	(1) 32MB x 64	(1) 32MB x 64	(1) 16MB x 64	(1) 2MB x 64
672MB	(1) 32MB x 64	(1) 32MB x 64	(1) 16MB x 64	(1) 4MB x 64
704MB	(1) 32MB x 64	(1) 32MB x 64	(1) 16MB x 64	(1) 8MB x 64
768MB	(1) 32MB x 64	(1) 32MB x 64	(1) 32MB x 64	None
768MB	(1) 32MB x 64	(1) 32MB x 64	(1) 16MB x 64	(1) 16MB x 64
784MB	(1) 32MB x 64	(1) 32MB x 64	(1) 32MB x 64	(1) 2MB x 64
800MB	(1) 32MB x 64	(1) 32MB x 64	(1) 32MB x 64	(1) 4MB x 64
836MB	(1) 32MB x 64	(1) 32MB x 64	(1) 32MB x 64	(1) 8MB x 64
836MB	(1) 32MB x 64	(1) 32MB x 64	(1) 32MB x 64	None
1024MB	(1) 32MB x 64			

Note: Board accepts SDRAM memory.

### CACHE CONFIGURATION

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

### CPU SPEED SELECTION (PENTIUM)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
233MHz	66MHz	3.5x	Off	Off	On	On
266MHz	66MHz	4x	On	On	Off	On

300MHz	66MHz	4.5x	Off	On	Off	On
333MHz	66MHz	5x	On	Off	Off	On
366MHz	66MHz	5.5x	Off	Off	Off	On
400MHz	66MHz	6x	On	On	On	Off
433MHz	66MHz	6.5x	Off	On	On	Off
350MHz	100MHz	3.5x	Off	Off	On	On
400MHz	100MHz	4x	On	On	Off	On
450MHz	100MHz	4.5x	Off	On	Off	On
500MHz	100MHz	5x	On	Off	Off	On
550MHz	100MHz	5.5x	Off	Off	Off	On
600MHz	100MHz	6x	On	On	On	Off
650MHz	100MHz	6.5x	Off	On	On	Off

CPU SPEED SELECTION (CONT)						
CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
233MHz	66MHz	3.5x	On	Off	Off	On
266MHz	66MHz	4x	On	Off	Off	On
300MHz	66MHz	4.5x	On	Off	Off	On
333MHz	66MHz	5x	On	Off	Off	On
366MHz	66MHz	5.5x	On	Off	Off	On
400MHz	66MHz	6x	On	Off	Off	On
433MHz	66MHz	6.5x	On	Off	Off	On
350MHz	100MHz	3.5x	Off	Off	Off	Off
400MHz	100MHz	4x	Off	Off	Off	Off
450MHz	100MHz	4.5x	Off	Off	Off	Off
500MHz	100MHz	5x	Off	Off	Off	Off
550MHz	100MHz	5.5x	Off	Off	Off	Off
600MHz	100MHz	6x	Off	Off	Off	Off

650MHz

100MHz

6.5x

Off

Off

Off

Off

### LED CONFIGURATION

Note: LED1 configuration is unidentified.