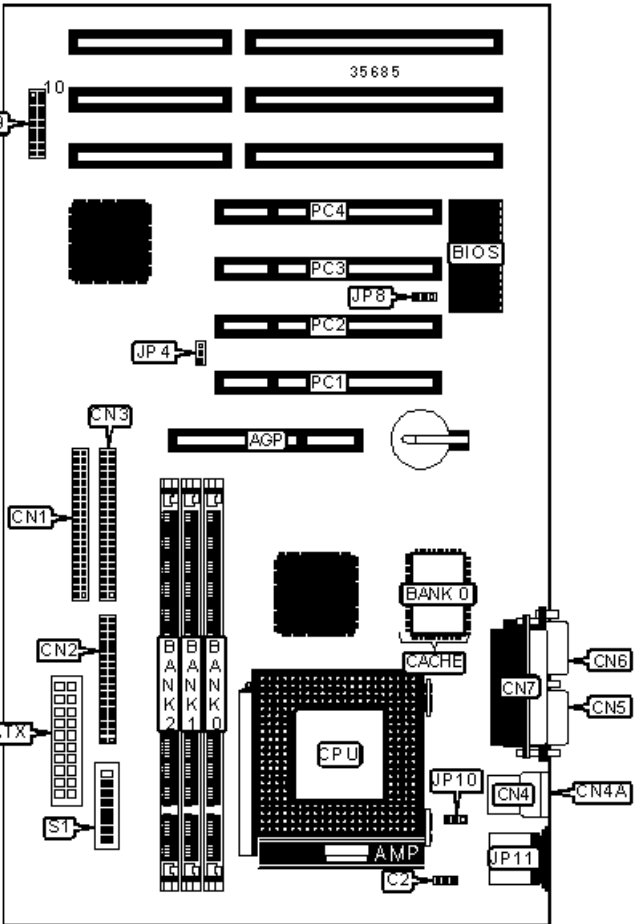


GIGA-BYTE TECHNOLOGY CO., LTD.

GA-5AX (REV. 1.0)

Device Type	Mainboard
Processor	CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/CX 686MX/IBM 6X86MX/ CX M2/IDT C6/AM K5/AM K6/Pentium/Pentium MMX
Processor Speed	100/120/133/150/166/200/233MHz
Chip Set	ALI Aladdin V
Video Chip Set	None
Maximum Onboard Memory	768MB (SDRAM supported)
Maximum Video Memory	None
Cache	512KB
BIOS	Award
Dimensions	305mm x 170mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), USB connectors (2), ATX power connector, AGP slot, wake on LAN connector



CONNECTIONS			
Purpose	Location	Purpose	Location
AGP slot	AGP	Wake on LAN connector	JP8

ATX power connector	ATX	Green PC LED	JP9/pins 1 & 10
CPU fan power	C2	Reset switch	JP9/pins 2 & 3
IDE interface 1	CN1	Speaker	JP9/pins 4 - 7
Floppy drive interface	CN2	IDE interface LED	JP9/pins 8 & 17
IDE interface 2	CN3	Green PC connector	JP9/pins 9 & 18
USB connector 1	CN4	Soft off power supply	JP9/pins 12 & 13
USB connector 2	CN4A	Power LED	JP9/pins 14 - 16
Serial port 2	CN5	PS/2 mouse port	JP11
Serial port 1	CN6	32-bit PCI slots	PC1 – PC4
Parallel port	CN7		

USER CONFIGURABLE SETTINGS

Function	Label	Position
Keyboard power on enabled	JP10	Pins 1 & 2 closed
Keyboard power on disabled	JP10	Pins 2 & 3 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) 1M x 64	(1) 1M x 64

32MB	(1) 2M x 64	(1) 2M x 64	None
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) 1M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
56MB	(1) 4M x 64	(1) 2M x 64	(1) 1M x 64
64MB	(1) 8M x 64	None	None

DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
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) 1M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64	None
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) 2M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64	None
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) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
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) 1M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64	None
144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
152MB	(1) 16M x 64	(1) 2M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None
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
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
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

DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
264MB	(1) 32M x 64	(1) 1M x 64	None

272MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64	None
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64	None
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64	None
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64	None
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64
Note: Board accepts SDRAM memory.			

CACHE CONFIGURATION	
Size	Bank 0
512KB	(1) 64K x 64

CPU SPEED SELECTION (CX 6X86)							
CPU speed	Clock speed	Multiplier	JP4	S1/1	S1/2	S1/3	S1/8
200MHz	75MHz	2x	1 & 2	Off	On	Off	Off
Note: Pins designated should be in the closed position.							

CPU SPEED SELECTION (IBM 6X86)							
CPU speed	Clock speed	Multiplier	JP4	S1/1	S1/2	S1/3	S1/8

200MHz	75MHz	2x	1 & 2	Off	On	Off	Off
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Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	JP4	S1/1	S1/2	S1/3	S1/8
166MHz	66MHz	2x	2 & 3	Off	On	Off	Off

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86L)

CPU speed	Clock speed	Multiplier	JP4	S1/1	S1/2	S1/3	S1/8
166MHz	66MHz	2x	2 & 3	Off	On	Off	Off

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	JP4	S1/1	S1/2	S1/3	S1/8
166MHz	66MHz	2x	2 & 3	Off	On	Off	Off
200MHz	75MHz	2x	1 & 2	Off	On	Off	Off
200MHz	66MHz	2.5x	2 & 3	Off	On	On	Off
233MHz	66MHz	3x	2 & 3	Off	Off	On	Off
233MHz	75MHz	2.5x	1 & 2	Off	On	On	Off
233MHz	83MHz	2x	2 & 3	On	On	Off	Off
266MHz	66MHz	3.5x	2 & 3	Off	Off	Off	Off
266MHz	75MHz	3x	1 & 2	Off	Off	On	Off
266MHz	83MHz	2.5x	2 & 3	On	On	On	Off

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86MX)

CPU speed	Clock speed	Multiplier	JP4	S1/1	S1/2	S1/3	S1/8
166MHz	66MHz	2x	2 & 3	Off	On	Off	Off
200MHz	75MHz	2x	1 & 2	Off	On	Off	Off
200MHz	66MHz	2.5x	2 & 3	Off	On	On	Off
233MHz	66MHz	3x	2 & 3	Off	Off	On	Off
233MHz	75MHz	2.5x	1 & 2	Off	On	On	Off
233MHz	83MHz	2x	2 & 3	On	On	Off	Off
266MHz	66MHz	3.5x	2 & 3	Off	Off	Off	Off
266MHz	75MHz	3x	1 & 2	Off	Off	On	Off
266MHz	83MHz	2.5x	2 & 3	On	On	On	Off

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX M II)

CPU speed	Clock speed	Multiplier	JP4	S1/1	S1/2	S1/3	S1/8
300MHz	66MHz	3.5x	1 & 2	Off	Off	Off	Off

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IDT C6)

CPU speed	Clock speed	Multiplier	JP4	S1/1	S1/2	S1/3	S1/8
200MHz	66MHz	3x	2 & 3	Off	Off	On	Off
225MHz	75MHz	3x	1 & 2	Off	Off	On	Off
266MHz	66MHz	4x	2 & 3	Off	On	Off	On

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	JP4	S1/1	S1/2	S1/3	S1/8
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133MHz	66MHz	2x	2 & 3	Off	On	Off	Off
166MHz	66MHz	2.5x	2 & 3	Off	On	On	Off

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	JP4	S1/1	S1/2	S1/3	S1/8
166MHz	66MHz	2.5x	2 & 3	Off	On	On	Off
200MHz	66MHz	3x	2 & 3	Off	Off	On	Off
233MHz	66MHz	3.5x	2 & 3	Off	Off	Off	Off
266MHz	66MHz	4x	2 & 3	Off	On	Off	On
266MHz	100MHz	2.5x	1 & 2	On	On	On	Off
300MHz	66MHz	4.5x	2 & 3	Off	On	On	On
300MHz	100MHz	3x	1 & 2	On	Off	On	Off

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	JP4	S1/1	S1/2	S1/3	S1/8
100MHz	66MHz	1.5x	2 & 3	Off	Off	Off	Off
133MHz	66MHz	2x	2 & 3	Off	On	Off	Off
166MHz	66MHz	2.5x	2 & 3	Off	On	On	Off
200MHz	66MHz	3x	2 & 3	Off	Off	On	Off

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	JP4	S1/1	S1/2	S1/3	S1/8
166MHz	66MHz	2.5x	2 & 3	Off	On	On	Off

200MHz	66MHz	3x	2 & 3	Off	Off	On	Off
233MHz	66MHz	3.5x	2 & 3	Off	Off	Off	Off

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION

Voltage	S1/4	S1/5	S1/6	S1/7
Auto	Off	Off	Off	On
2.0	Off	Off	Off	Off
2.1	Off	Off	On	Off
2.2	Off	On	Off	Off
2.3	Off	On	On	Off
2.4	On	Off	Off	Off
2.5	On	Off	On	Off
2.6	On	On	Off	Off
2.7	On	On	On	Off
2.8	Off	Off	Off	On
2.9	Off	Off	On	On
3.0	Off	On	Off	On
3.1	Off	On	On	On
3.2	On	Off	Off	On
3.3	On	Off	On	On
3.4	On	On	Off	On
3.5	On	On	On	On