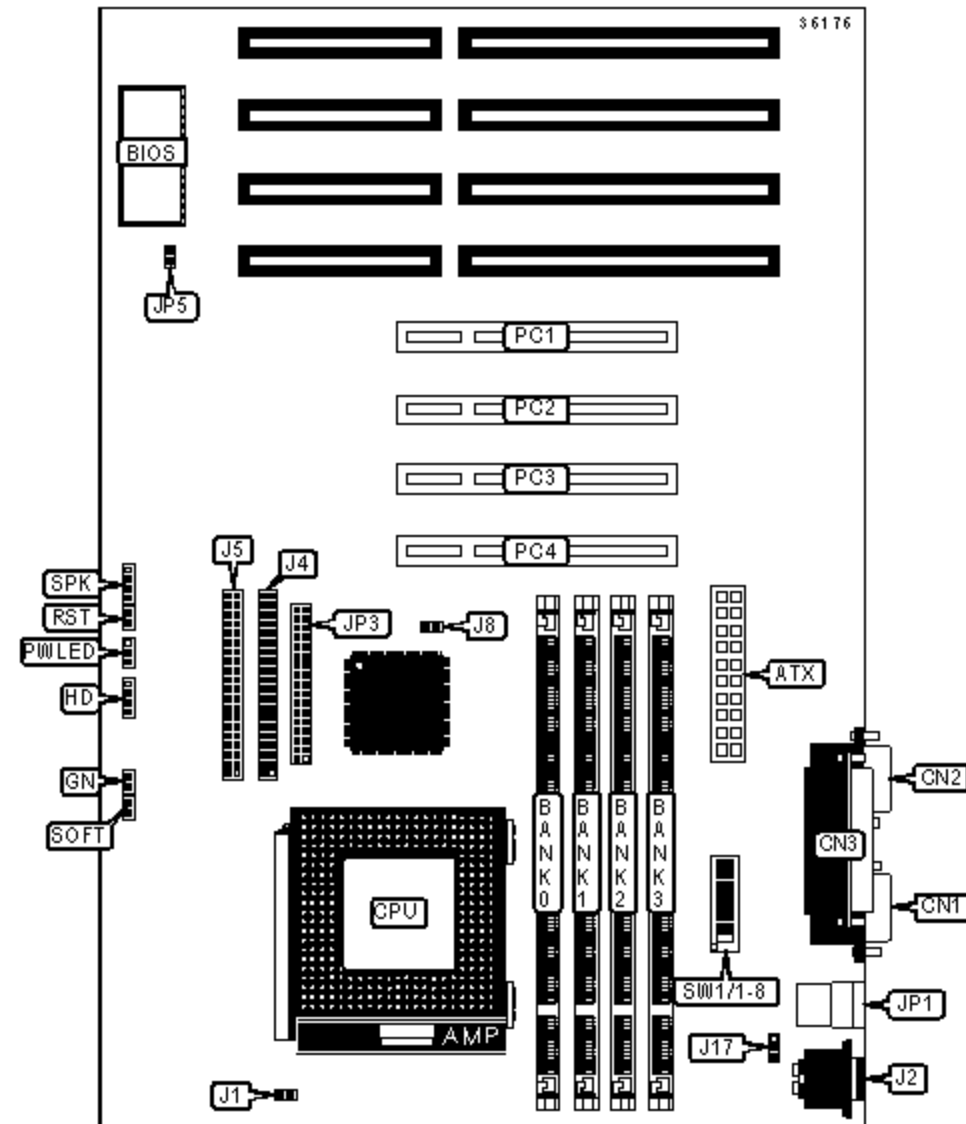


GIGA-BYTE TECHNOLOGY CO., LTD.

GA-586ATX4

Device Type	Mainboard
Processor	P54CT/P54CTB/CX 6x86/IBM 6x86/CX 6x86L/IBM 6x86L/CX 6x86MX/IBM 6x86MX/AM K5/AM K6/Pentium/Pentium MMX
Processor Speed	90/100/120/133/150/166/180/200/233MHz
Chip Set	Unidentified
Maximum Onboard Memory	256MB (EDO & SDRAM supported)
Cache	512KB
BIOS	Award
Dimensions	193mm x 304mm
I/O Options (backplane)	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), USB connector, ATX power connector



CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	IDE interface 1	J5
Serial port 1	CN1	USB connector	JP1
Serial port 2	CN2	Floppy drive interface	JP3

Parallel port	CN3	32-bit PCI slots	PC1 - PC4
Green PC connector	GN	Power LED	PWLED
IDE interface LED	HD	Reset switch	RST
CPU fan power	J1	Soft off power supply	SOFT
PS/2 mouse port	J2	Speaker	SPK
IDE interface 2	J4		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Keyboard power on disabled	J17	Pins 2 & 3 closed
	Keyboard power on enabled	J17	Pins 1 & 2 closed
	Enable full on after AC back	JP5	Closed
	Enable soft off after AC back	JP5	Open

DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2	Bank 3
8MB	(1) 1M x 64	None	None	None
16MB	(1) 2M x 64	None	None	None
24MB	(1) 2M x 64	(1) 1M x 64	None	None
32MB	(1) 2M x 64	(1) 2M x 64	None	None
32MB	(1) 4M x 64	None	None	None
40MB	(1) 4M x 64	(1) 1M x 64	None	None
40MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64	None
40MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64	None	None

48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	None
56MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64
56MB	(1) 4M x 64	(1) 2M x 64	(1) 1M x 64	None
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
64MB	(1) 4M x 64	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
72MB	(1) 8M x 64	(1) 1M x 64	None	None
72MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64	None
72MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64	None	None
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
80MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64	None
88MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64	(1) 1M 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) 2M x 64	(1) 2M x 64
104MB	(1) 8M x 64	(1) 4M x 64	(1) 1M x 64	None
104MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64
104MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
112MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64	None
112MB	(1) 8M x 64	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
112MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
120MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64	(1) 1M 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
136MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64	None
136MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64	None
144MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
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
168MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64	(1) 1M x 64
176MB	(1) 8M x 64	(1) 8M x 64	(1) 4M 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
200MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64
208MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
224MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
256MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64

CPU SPEED SELECTION (INTEL)

CPU speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
90MHz	60MHz	1.5x	On	Off	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off
120MHz	60MHz	2x	On	On	Off	Off
133MHz	66MHz	2x	Off	On	Off	Off
150MHz	60MHz	2.5x	On	On	On	Off
166MHz	66MHz	2.5x	Off	On	On	Off
180MHz	60MHz	3x	On	Off	On	Off

200MHz	66MHz	3x	Off	Off	On	Off
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CPU SPEED SELECTION (INTEL CON'T)

CPU speed	Clock Speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8	J8
90MHz	60MHz	1.5x	Off	Off	On	Off	Open
100MHz	66MHz	1.5x	Off	Off	On	Off	Open
120MHz	60MHz	2x	Off	Off	On	Off	Open
133MHz	66MHz	2x	Off	Off	On	Off	Open
150MHz	60MHz	2.5x	Off	Off	On	Off	Open
166MHz	66MHz	2.5x	Off	Off	On	Off	Open
180MHz	60MHz	3x	Off	Off	On	Off	Open
200MHz	66MHz	3x	Off	Off	On	Off	Open

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
150MHz	60MHz	2.5x	On	On	On	Off
166MHz	66MHz	2.5x	Off	On	On	Off
200MHz	66MHz	3x	Off	Off	On	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off

CPU SPEED SELECTION (INTEL MMX CON'T)

CPU speed	Clock Speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8	J8
150MHz	60MHz	2.5x	Off	Off	On	Off	Open
166MHz	66MHz	2.5x	Off	Off	On	Off	Open
200MHz	66MHz	3x	Off	Off	On	Off	Open
233MHz	66MHz	3.5x	Off	Off	On	Off	Open

CPU SPEED SELECTION (P54CT)

CPU speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
150MHz	60MHz	2.5x	On	On	On	Off
166MHz	66MHz	2.5x	Off	On	On	Off

CPU SPEED SELECTION (P54CT CON'T)

CPU speed	Clock Speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8	J8
150MHz	60MHz	2.5x	Off	Off	On	Off	Open
166MHz	66MHz	2.5x	Off	Off	On	Off	Open

CPU SPEED SELECTION (P54CTB)

CPU speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
150MHz	60MHz	2.5x	On	On	On	Off
166MHz	66MHz	2.5x	Off	On	On	Off
180MHz	60MHz	3x	On	Off	On	Off
200MHz	66MHz	3x	Off	Off	On	Off

CPU SPEED SELECTION (P54CTB CON'T)

CPU speed	Clock Speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8	J8
150MHz	60MHz	2.5x	Off	Off	On	Off	Open
166MHz	66MHz	2.5x	Off	Off	On	Off	Open
180MHz	60MHz	3x	Off	Off	On	Off	Open
200MHz	66MHz	3x	Off	Off	On	Off	Open

CPU SPEED SELECTION (AM K5)

CPU speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
133MHz	66MHz	2x	Off	On	Off	Off

166MHz	66MHz	2.5x	Off	On	On	Off
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CPU SPEED SELECTION (AM K5 CON'T)

CPU speed	Clock Speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8	J8
133MHz	66MHz	2x	Off	Off	On	Off	Open
166MHz	66MHz	2.5x	Off	Off	On	Off	Open

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	Off
180MHz	60MHz	3x	On	Off	On	Off
200MHz	66MHz	3x	Off	Off	On	Off
233MHz	66MHz	3.5x	Off	Off	Off	On

CPU SPEED SELECTION (AM K6 CON'T)

CPU speed	Clock Speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8	J8
166MHz	66MHz	2.5x	Off	On	On	Off	Open
180MHz	60MHz	3x	Off	On	On	Off	Open
200MHz	66MHz	3x	Off	On	On	Off	Open
233MHz	66MHz	3.5x	Off	Off	On	Off	Open

CPU SPEED SELECTION (CX/IBM 6X86)

CPU speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
150MHz	60MHz	2x	On	On	Off	Off
166MHz	66MHz	2x	Off	On	Off	Off
200MHz	66MHz	2x	Off	On	Off	Off

CPU SPEED SELECTION (CX/IBM 6X86 CON'T)

CPU speed	Clock Speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8	J8
150MHz	60MHz	2x	Off	Off	On	Off	Open
166MHz	66MHz	2x	Off	Off	On	Off	Open
200MHz	66MHz	2x	Off	Off	On	Off	Closed

CPU SPEED SELECTION (CX/IBM 6X86L)

CPU speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
150MHz	60MHz	2x	On	On	Off	Off
166MHz	66MHz	2x	Off	On	Off	Off
200MHz	66MHz	2x	Off	On	Off	Off

CPU SPEED SELECTION (CX/IBM 6X86L CON'T)

CPU speed	Clock Speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8	J8
150MHz	60MHz	2x	Off	Off	On	Off	Open
166MHz	66MHz	2x	Off	Off	On	Off	Open
200MHz	66MHz	2x	Off	Off	On	Off	Closed

CPU SPEED SELECTION (CX/IBM 6X86MX)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	60MHz	2.5x	On	On	On	Off
166MHz	66MHz	2x	Off	On	Off	Off
200MHz	66MHz	2.5x	Off	On	On	Off
200MHz	75MHz	2x	Off	On	Off	Off
233MHz	66MHz	3x	Off	Off	On	Off
233MHz	75MHz	2.5x	Off	On	On	Off

CPU SPEED SELECTION (CX/IBM 6X86MX CON'T)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8	J8
166MHz	60MHz	2.5x	Off	On	On	Off	Open
166MHz	66MHz	2x	Off	On	On	Off	Open
200MHz	66MHz	2.5x	Off	On	On	Off	Open
200MHz	75MHz	2x	Off	On	On	Off	Closed
233MHz	66MHz	3x	Off	On	On	Off	Open
233MHz	75MHz	2.5x	Off	On	On	Off	Closed