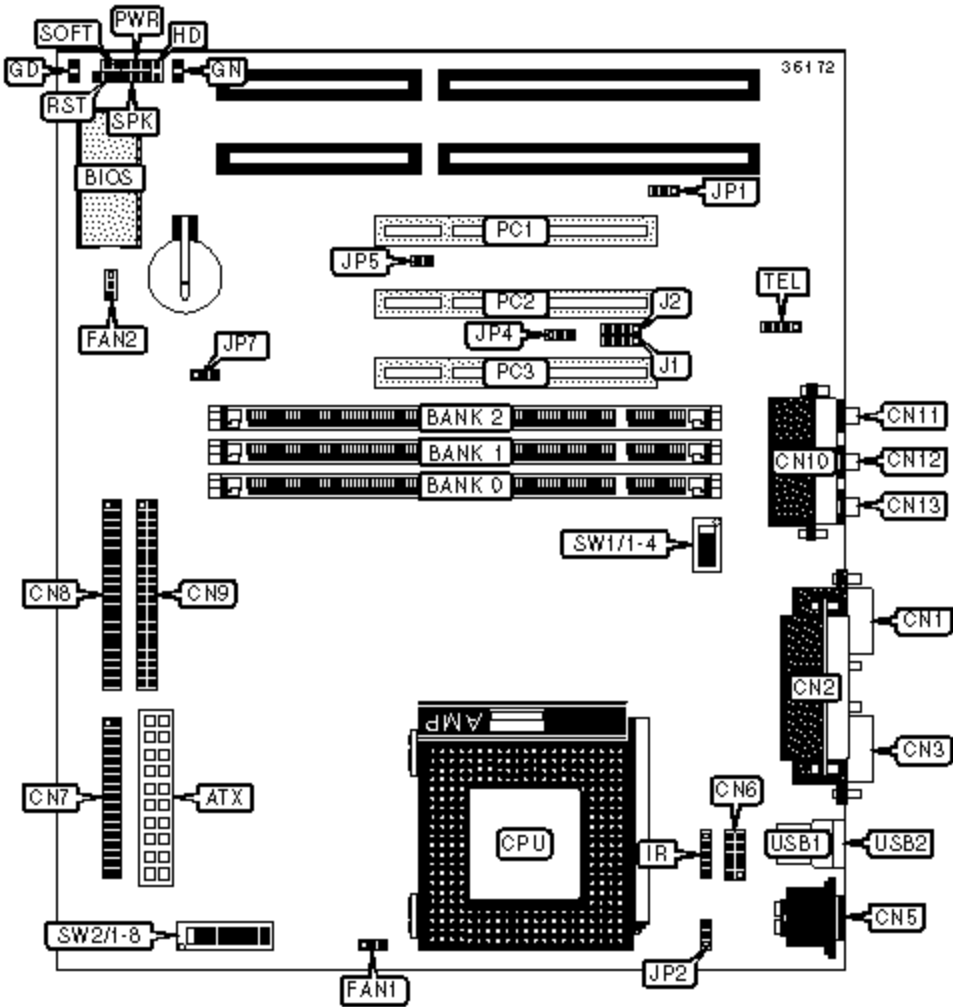


GIGA-BYTE TECHNOLOGY CO., LTD.

GA-5SMM

Device Type	Mainboard
Processor	CX 6x86MX/IBM 6x86MX/CX MII/AM K6/AM K6-2/AM K6-3/Pentium/Pentium MMX
Processor Speed	133/166/200/225/233/266/300/333/350/366/400/450MHz
Chip Set	SIS
Video Chip Set	Unidentified
Audio Chip Set	ESS
Maximum Onboard Memory	768MB
Maximum Video Memory	Unidentified
Maximum Audio Memory	Unidentified
Cache	512KB
BIOS	Award
Dimensions	Unidentified
I/O Options (backplane)	32-bit PCI slots (3), floppy drive interface, game port, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), VGA port, IR connector, USB connectors (2), ATX power connector, line in, line out, microphone in, audio in - CD-ROMs (2)



CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	Green PC connector	GN
VGA port	CN1	IDE interface LED	HD
...	...	...	...

Parallel port	CN2	IR connector	IR
Serial port 1	CN3	Audio in - CD-ROM	J1
PS/2 mouse port	CN5	Audio in - CD-ROM	J2
Serial 2 interface	CN6	Wake-on-lan connector	JP4
Floppy drive interface	CN7	Microphone in	JP5
IDE interface 1	CN8	32-bit PCI slots	PC1 - PC3
IDE interface 2	CN9	Power LED	PWR
Game port	CN10	Reset switch	RST
Microphone in	CN11	Speaker	SPK
Line in	CN12	Soft off power supply	SOFT
Line out	CN13	Modem internal voice connector	TEL
CPU fan power	FAN1	USB connector 1	USB1
System fan power	FAN2	USB connector 2	USB2
Green PC LED	GD		

USER CONFIGURABLE SETTINGS			
Function		Label	Position
»	Normal CMOS operation	J7	Pins 2 & 3 closed
	Clear CMOS	J7	Pins 1 & 2 closed
»	On-board sound enabled	JP1	Pins 1 & 2 closed
	On-board sound disabled	JP1	Pins 2 & 3 closed
»	Keyboard power on disabled	JP2	Pins 2 & 3 closed
	Keyboard power on enabled	JP2	Pins 1 & 2 closed
»	Factory configured - do not alter	JP7	Unidentified

DIMM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2

16MB	(1) 2M x 64	None	None
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 2M x 64	None
48MB	(1) 4M x 64	(1) 2M x 64	None
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
80MB	(1) 8M x 64	(1) 2M x 64	None
96MB	(1) 8M x 64	(1) 4M x 64	None
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M 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
144MB	(1) 16M x 64	(1) 2M x 64	None
144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M 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
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
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) 16M x 64	(1) 16M x 64	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
256MB	(1) 32MB x 64	None	None
272MB	(1) 16M x 64	(1) 16M x 64	(1) 2M x 64

272MB	(1) 32M x 64	(1) 2M x 64	None
288MB	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64
320MB	(1) 16M x 64	(1) 16M x 64	(1) 8M x 64
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64	None
304MB	(1) 32M x 64	(1) 4M x 64	(1) 2M x 64
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64	None
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) 8M x 64	(1) 8M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
384MB	(1) 32M x 64	(1) 16M x 64	None
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) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
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

CPU SPEED SELECTION (INTEL)						
Speed	Clock Speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
133MHz	66MHz	2x	On	Off	Off	On
166MHz	66MHz	2.5x	On	On	Off	On

CPU SPEED SELECTION (INTEL CON'T)						
Speed	Clock Speed	Multiplier	SW2/5	SW2/6	SW2/7	SW2/8
133MHz	66MHz	2x	On	On	On	Off
166MHz	66MHz	2.5x	On	On	On	Off

CPU SPEED SELECTION (INTEL CON'T)						
Speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
133MHz	66MHz	2x	On	On	On	Off
166MHz	66MHz	2.5x	On	On	On	Off

CPU SPEED SELECTION (INTEL MMX)						
Speed	Clock Speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
133MHz	66MHz	2.5x	On	On	Off	Off
166MHz	66MHz	3x	Off	On	Off	Off
200MHz	66MHz	3.5x	Off	Off	Off	Off

CPU SPEED SELECTION (INTEL MMX CON'T)						
Speed	Clock Speed	Multiplier	SW2/5	SW2/6	SW2/7	SW2/8
133MHz	66MHz	2.5x	Off	Off	On	Off
166MHz	66MHz	3x	Off	Off	On	Off
200MHz	66MHz	3.5x	Off	Off	On	Off

CPU SPEED SELECTION (INTEL MMX CON'T)						
Speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
133MHz	66MHz	2.5x	On	On	On	Off

166MHz	66MHz	3x	On	On	On	Off
200MHz	66MHz	3.5x	On	On	On	Off

CPU SPEED SELECTION (AM K6)						
CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
166MHz	66MHz	2x	On	On	Off	On
200MHz	66MHz	2.5x	Off	On	Off	On
233MHz	66MHz	3x	Off	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off
266MHz	66MHz	4x	On	Off	On	Off
300MHz	66MHz	4.5x	On	On	On	Off
300MHz	100MHz	3x	Off	On	Off	Off

CPU SPEED SELECTION (AM K6 CON'T)						
CPU speed	Clock speed	Multiplier	SW2/5	SW2/6	SW2/7	SW2/8
166MHz	66MHz	2x	On	On	Off	Off
200MHz	66MHz	2.5x	On	On	Off	Off
233MHz	66MHz	3x	On	Off	Off	Off
233MHz	66MHz	3.5x	Off	On	On	Off
266MHz	66MHz	4x	Off	On	On	Off
300MHz	66MHz	4.5x	Off	On	On	Off
300MHz	100MHz	3x	Off	On	On	Off

CPU SPEED SELECTION (AM K6 CON'T)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2x	On	On	On	Off
200MHz	66MHz	2.5x	On	On	On	Off

233MHz	66MHz	3x	On	On	On	Off
233MHz	66MHz	3.5x	On	On	On	Off
266MHz	66MHz	4x	On	On	On	Off
300MHz	66MHz	4.5x	On	On	On	Off
300MHz	100MHz	3x	On	On	Off	Off

CPU SPEED SELECTION (AM K6-2)						
CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
266MHz	66MHz	4x	On	Off	On	Off
300MHz	100MHz	3x	Off	On	Off	Off
333MHz	66MHz	5x	Off	On	On	Off
333MHz	95MHz	3.5x	Off	Off	Off	Off
350MHz	100MHz	3.5x	Off	Off	Off	Off
366MHz	66MHz	5.5x	Off	Off	On	Off
380MHz	95MHz	4x	On	Off	On	Off
400MHz	100MHz	4x	On	Off	On	Off
450MHz	100MHz	4.5x	On	On	On	On

CPU SPEED SELECTION (AM K6-2 CON'T)						
CPU speed	Clock speed	Multiplier	SW2/5	SW2/6	SW2/7	SW2/8
266MHz	66MHz	4x	On	Off	Off	Off
300MHz	100MHz	3x	On	Off	Off	Off
333MHz	66MHz	5x	On	Off	Off	Off
333MHz	95MHz	3.5x	On	Off	Off	Off
350MHz	100MHz	3.5x	On	Off	Off	Off
366MHz	66MHz	5.5x	On	Off	Off	Off
380MHz	95MHz	4x	On	Off	Off	Off
400MHz	100MHz	4x	On	Off	Off	Off

450MHz	100MHz	4.5x	On	Off	Off	Off
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CPU SPEED SELECTION (AM K6-2 CON'T)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
266MHz	66MHz	4x	On	On	On	Off
300MHz	100MHz	3x	On	On	Off	Off
333MHz	66MHz	5x	On	On	On	Off
333MHz	95MHz	3.5x	Off	Off	On	Off
350MHz	100MHz	3.5x	On	On	Off	Off
366MHz	66MHz	5.5x	On	On	On	Off
380MHz	95MHz	4x	Off	Off	On	Off
400MHz	100MHz	4x	On	On	Off	Off
450MHz	100MHz	4.5x	On	On	Off	Off

CPU SPEED SELECTION (AM K6-3)						
CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
400MHz	100MHz	4x	On	Off	On	On
450MHz	100MHz	4.5x	On	On	On	On

CPU SPEED SELECTION (AM K6-3 CON'T)						
CPU speed	Clock speed	Multiplier	SW2/5	SW2/6	SW2/7	SW2/8
400MHz	100MHz	4x	On	Off	Off	Off
450MHz	100MHz	4.5x	On	Off	Off	Off

CPU SPEED SELECTION (AM K6-3 CON'T)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
400MHz	100MHz	4x	On	On	Off	Off

450MHz	100MHz	4.5x	On	On	Off	Off

CPU SPEED SELECTION (IBM/CX 6X86MX)						
CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
166MHz	66MHz	2x	On	Off	Off	On
200MHz	66MHz	2.5x	On	On	Off	On
200MHz	75MHz	2x	On	Off	Off	On
233MHz	66MHz	3x	Off	On	Off	On
233MHz	75MHz	2.5x	On	On	Off	On
233MHz	83MHz	2x	On	Off	Off	On
266MHz	66MHz	3.5x	Off	Off	Off	On
266MHz	75MHz	3x	Off	On	Off	On
266MHz	83MHz	2.5x	On	On	Off	On

CPU SPEED SELECTION (IBM/CX 6X86MX CON'T)						
CPU speed	Clock speed	Multiplier	SW2/5	SW2/6	SW2/7	SW2/8
166MHz	66MHz	2x	Off	Off	On	Off
200MHz	66MHz	2.5x	Off	Off	On	Off
200MHz	75MHz	2x	Off	Off	On	Off
233MHz	66MHz	3x	Off	Off	On	Off
233MHz	75MHz	2.5x	Off	Off	On	Off
233MHz	83MHz	2x	Off	Off	On	Off
266MHz	66MHz	3.5x	Off	Off	On	Off
266MHz	75MHz	3x	Off	Off	On	Off
266MHz	83MHz	2.5x	Off	Off	On	Off

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

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2x	On	On	On	Off
200MHz	66Mhz	2.5x	On	On	On	Off
200MHz	75MHz	2x	Off	On	On	Off
233MHz	66MHz	3x	On	On	On	Off
233MHz	75MHz	2.5x	Off	On	On	Off
233MHz	83MHz	2x	On	Off	On	Off
266MHz	66MHz	3.5x	On	On	On	Off
266MHz	75MHz	3x	Off	On	On	Off
266MHz	83MHz	2.5x	On	Off	On	Off

CPU SPEED SELECTION (CX MII)

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
300MHz	66MHz	3.5x	Off	Off	Off	Off
333MHz	66MHz	4x	On	Off	On	Off
333MHz	83MHz	3x	Off	On	Off	Off
333MHz	75MHz	3.5x	Off	Off	Off	Off
333MHz	100MHz	2.5x	On	On	Off	Off
350MHz	90MHz	3x	Off	On	Off	Off
366MHz	75MHz	4x	On	Off	On	Off
366MHz	83MHz	3.5x	Off	Off	Off	Off
366MHz	100MHz	3x	Off	On	Off	Off
400MHz	90MHz	4x	On	Off	On	On
400MHz	100MHz	3.5x	Off	Off	Off	On

CPU SPEED SELECTION (CX MII CON'T)

CPU speed	Clock speed	Multiplier	SW2/5	SW2/6	SW2/7	SW2/8
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300MHz	66MHz	3.5x	Off	Off	On	Off
333MHz	66MHz	4x	Off	Off	On	Off
333MHz	83MHz	3x	Off	Off	On	Off
333MHz	75MHz	3.5x	Off	Off	On	Off
333MHz	100MHz	2.5x	Off	Off	On	Off
350MHz	90MHz	3x	Off	Off	On	Off
366MHz	75MHz	4x	Off	Off	On	Off
366MHz	83MHz	3.5x	Off	Off	On	Off
366MHz	100MHz	3x	Off	Off	On	Off
400MHz	90MHz	4x	Off	Off	On	Off
400MHz	100MHz	3.5x	Off	Off	On	Off

CPU SPEED SELECTION (CX MII CON'T)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
300MHz	66MHz	3.5x	On	On	On	Off
333MHz	66Mhz	4x	On	On	On	Off
333MHz	83MHz	3x	On	Off	On	Off
333MHz	75MHz	3.5x	Off	On	On	Off
333MHz	100MHz	2.5x	On	On	Off	Off
350MHz	90MHz	3x	On	On	On	On
366MHz	75MHz	4x	Off	On	On	Off
366MHz	83MHz	3.5x	On	Off	On	Off
366MHz	100MHz	3x	On	On	Off	Off
400MHz	90MHz	4x	On	On	On	On
400MHz	100MHz	3.5x	On	On	Off	Off

CPU SPEED SELECTION (IDT)						
CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4

CPU speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
200MHz	66MHz	3x	Off	On	Off	On
200MHz	100MHz	2x	On	Off	Off	On
225MHz	75MHz	3x	Off	On	Off	On
233MHz	66MHz	3.5x	Off	Off	Off	On
233MHz	100MHz	2.33x	Off	On	On	On
266MHz	66MHz	4x	On	Off	On	On
266MHz	100MHz	2.66x	Off	Off	On	On

CPU SPEED SELECTION (IDT CON'T)						
CPU speed	Clock speed	Multiplier	SW2/5	SW2/6	SW2/7	SW2/8
200MHz	66MHz	3x	On	On	On	Off
200MHz	100MHz	2x	On	On	On	Off
225MHz	75MHz	3x	On	On	On	Off
233MHz	66MHz	3.5x	On	On	On	Off
233MHz	100MHz	2.33x	On	On	On	Off
266MHz	66MHz	4x	On	On	On	Off
266MHz	100MHz	2.66x	On	On	On	Off

CPU SPEED SELECTION (IDT CON'T)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
200MHz	66MHz	3x	On	On	On	Off
200MHz	100MHz	2x	On	On	Off	Off
225MHz	75MHz	3x	Off	On	On	Off
233MHz	66MHz	3.5x	On	On	On	Off
233MHz	100MHz	2.33x	On	On	Off	Off
266MHz	66MHz	3.5x	On	On	On	Off
266MHz	100MHz	2.66x	On	On	Off	Off

