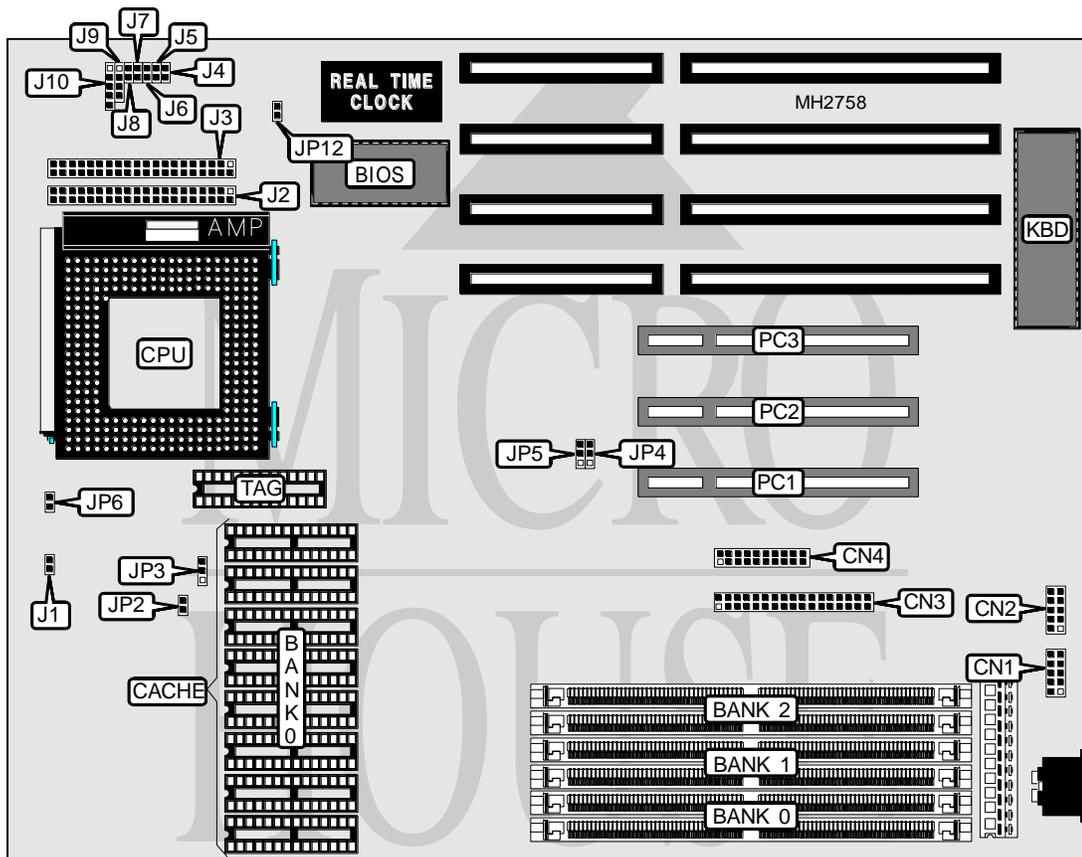


GIGA-BYTE TECHNOLOGY CO., INC.

GA-586AT VER. 2x/3x

Processor	Pentium
Processor Speed	75/90/100/120/133/150/166MHz
Chip Set	UMC
Max. Onboard DRAM	128MB
Cache	256/512KB
BIOS	Award
Dimensions	280mm x 220mm
I/O Options	32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, serial ports (2)
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port 1	CN1	Green PC LED	J5
Serial port 2	CN2	Reset switch	J6
Floppy drive interface	CN3	Turbo switch	J7
Parallel port	CN4	Turbo LED	J8
Chassis fan power	J1	Speaker	J9
IDE interface (primary)	J2	Power LED & keylock	J10
IDE interface (secondary)	J3	32-bit PCI slots	PC1 - PC3
Green PC connector	J4		

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í CPU type select VR or standard CPU	JP2	Open
CPU type select VRE CPU	JP2	Closed
í Factory configured - do not alter	JP12	N/A

DRAM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
2MB	(2) 256K x 36	NONE	NONE
4MB	(2) 256K x 36	(2) 256K x 36	NONE
4MB	(2) 512K x 36	NONE	NONE
6MB	(2) 256K x 36	(2) 256K x 36	(2) 256K x 36
6MB	(2) 512K x 36	(2) 256K x 36	NONE
8MB	(2) 512K x 36	(2) 256K x 36	(2) 256K x 36
8MB	(2) 1M x 36	NONE	NONE
10MB	(2) 256K x 36	(2) 1M x 36	NONE
10MB	(2) 1M x 36	(2) 256K x 36	NONE
12MB	(2) 512K x 36	(2) 1M x 36	NONE
12MB	(2) 1M x 36	(2) 256K x 36	(2) 256K x 36
16MB	(2) 1M x 36	(2) 1M x 36	NONE
16MB	(2) 2M x 36	NONE	NONE
18MB	(2) 256K x 36	(2) 1M x 36	(2) 1M x 36
18MB	(2) 2M x 36	(2) 256K x 36	NONE
20MB	(2) 512K x 36	(2) 1M x 36	(2) 1M x 36
20MB	(2) 2M x 36	(2) 256K x 36	(2) 256K x 36
24MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36	NONE
32MB	(2) 2M x 36	(2) 1M x 36	(2) 1M x 36
32MB	(2) 4M x 36	NONE	NONE
34MB	(2) 256K x 36	(2) 4M x 36	NONE
34MB	(2) 4M x 36	(2) 256K x 36	NONE
36MB	(2) 512K x 36	(2) 4M x 36	NONE
36MB	(2) 4M x 36	(2) 256K x 36	(2) 256K x 36
40MB	(2) 1M x 36	(2) 4M x 36	NONE
40MB	(2) 4M x 36	(2) 1M x 36	NONE
48MB	(2) 2M x 36	(2) 4M x 36	NONE
48MB	(2) 4M x 36	(2) 1M x 36	(2) 1M x 36
64MB	(2) 4M x 36	(2) 4M x 36	NONE
64MB	(2) 8M x 36	NONE	NONE
66MB	(2) 256K x 36	(2) 4M x 36	(2) 4M x 36
66MB	(2) 8M x 36	(2) 256K x 36	NONE
68MB	(2) 512K x 36	(2) 4M x 36	(2) 4M x 36
68MB	(2) 8M x 36	(2) 256K x 36	(2) 256K x 36
72MB	(2) 1M x 36	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36	NONE
80MB	(2) 2M x 36	(2) 4M x 36	(2) 4M x 36

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DRAM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
80MB	(2) 8M x 36	(2) 1M x 36	(2) 1M x 36
96MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36
96MB	(2) 8M x 36	(2) 4M x 36	NONE
112MB	(2) 8M x 36	(2) 4M x 36	(2) 4M x 36
128MB	(2) 8M x 36	NONE	(2) 8M x 36

CACHE CONFIGURATION		
Size	Bank 0	TAG
256KB	(8) 32K x 8	(1) 8K x 8 or (1) 32K x 8
512KB	(8) 64K x 8	(1) 16K x 8 or (1) 32K x 8

CACHE JUMPER CONFIGURATION	
Size	JP3
256KB	pins 1 & 2 closed
512KB	pins 2 & 3 closed

CPU SPEED CONFIGURATION		
Speed	JP4	JP5
75MHz	pins 2 & 3 closed	pins 2 & 3 closed
90MHz	pins 1 & 2 closed	pins 1 & 2 closed
100MHz	pins 1 & 2 closed	pins 2 & 3 closed
120MHz	pins 1 & 2 closed	pins 1 & 2 closed
133MHz	pins 1 & 2 closed	pins 2 & 3 closed
150MHz	pins 1 & 2 closed	pins 1 & 2 closed

CPU SPEED CONFIGURATION (VERSION 2X ONLY)	
Speed	JP6
75MHz	Open
90MHz	Open
100MHz	Open
120MHz	Closed
133MHz	Closed

CPU SPEED CONFIGURATION (VERSION 3X ONLY)	
Speed	JP6
75MHz	Open
90MHz	Open
100MHz	Open
120MHz	pins 1 & 2 closed
133MHz	pins 1 & 2 closed
150MHz	pins 1 & 2, 3 & 4 closed
166MHz	pins 1 & 2, 3 & 4 closed

Note: On version 3x, JP6 is a 4-pin jumper.