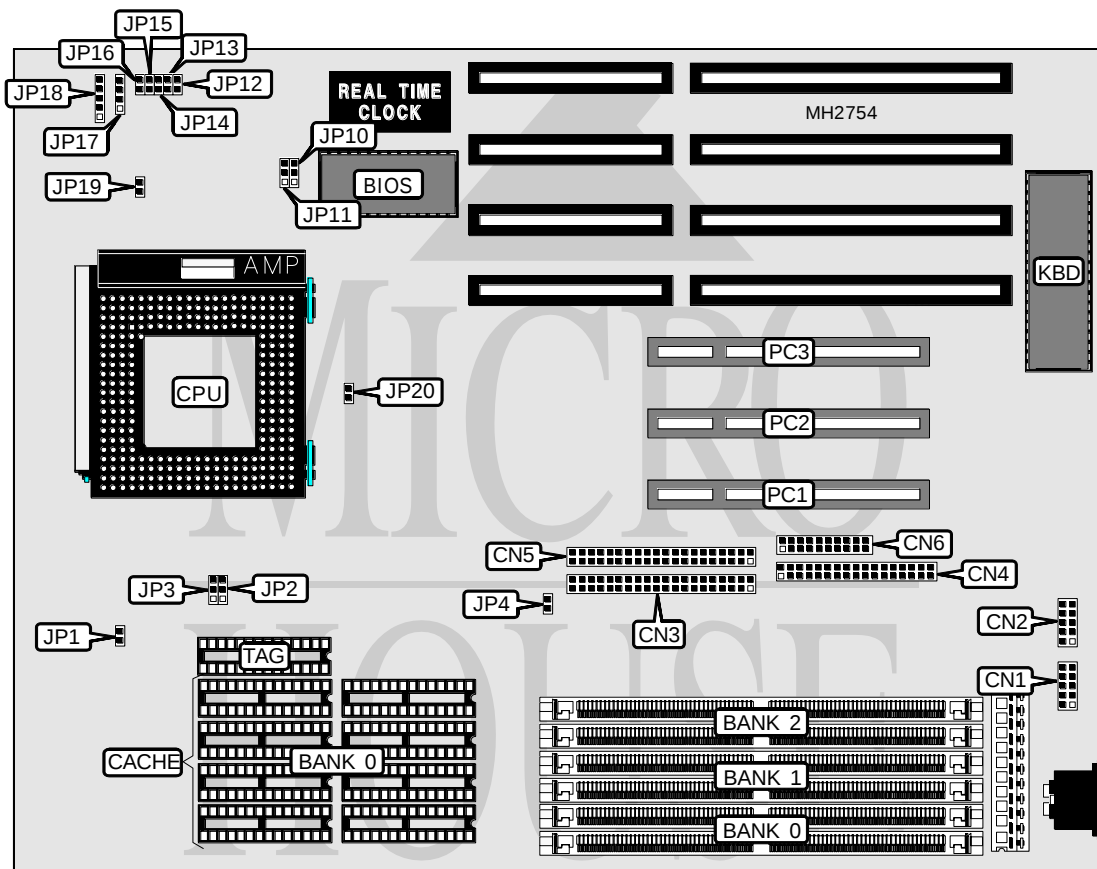


GIGA-BYTE TECHNOLOGY CO., INC.

GA-586AP REV. 2A

Processor	Pentium
Processor Speed	75/90/100/120/133MHz
Chip Set	ALI
Max. Onboard DRAM	192MB
Cache	256/512/1024KB
BIOS	Award
Dimensions	330mm x 218mm
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 connector	JP12
Serial port 2	CN2	Green PC LED	JP13
Floppy drive interface	CN3	Reset switch	JP14
Parallel port	CN4	Turbo switch	JP15
IDE interface (primary)	CN5	Turbo LED	JP16
IDE interface (secondary)	CN6	Speaker	JP17
Chassis fan power	JP1	Power LED & keylock	JP18
IDE interface LED	JP4	32-bit PCI slots	PC1 - PC3

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GIGA-BYTE TECHNOLOGY CO., INC.

GA-586AP REV. 2A

... continued from previous page

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í CPU type select standard & VR spec CPU	JP19	Open
CPU type select VR spec CPU	JP19	Closed

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) 256K x 36	(2) 512K x 36	NONE
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) 512K x 36	(2) 512K x 36	NONE
8MB	(2) 1M x 36	NONE	NONE
10MB	(2) 256K x 36	(2) 512K x 36	(2) 512K x 36
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) 512K x 36	(2) 512K x 36
12MB	(2) 512K x 36	(2) 1M x 36	NONE
12MB	(2) 1M x 36	(2) 256K x 36	(2) 256K x 36
12MB	(2) 1M x 36	(2) 512K x 36	NONE
16MB	(2) 1M x 36	(2) 512K x 36	(2) 512K 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) 256K x 36	(2) 2M x 36	NONE
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) 512K x 36	(2) 2M x 36	NONE
20MB	(2) 2M x 36	(2) 256K x 36	(2) 256K x 36
20MB	(2) 2M x 36	(2) 512K x 36	NONE
24MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
24MB	(2) 1M x 36	(2) 2M x 36	NONE
24MB	(2) 2M x 36	(2) 512K x 36	(2) 512K 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) 2M x 36	(2) 2M x 36	NONE
32MB	(2) 4M x 36	NONE	NONE
34MB	(2) 256K x 36	(2) 2M x 36	(2) 2M x 36
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) 2M x 36	(2) 2M x 36
36MB	(2) 512K x 36	(2) 4M x 36	NONE
36MB	(2) 4M x 36	(2) 256K x 36	(2) 256K x 36

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GIGA-BYTE TECHNOLOGY CO., INC.

GA-586AP REV. 2A

... continued from previous page

DRAM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
36MB	(2) 4M x 36	(2) 512K x 36	NONE
40MB	(2) 1M x 36	(2) 2M x 36	(2) 2M x 36
40MB	(2) 1M x 36	(2) 4M x 36	NONE
40MB	(2) 4M x 36	(2) 512K x 36	(2) 512K x 36
40MB	(2) 4M x 36	(2) 1M x 36	NONE
48MB	(2) 2M x 36	(2) 2M x 36	(2) 2M x 36
48MB	(2) 2M x 36	(2) 4M x 36	NONE
48MB	(2) 4M x 36	(2) 1M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36	NONE
64MB	(2) 4M x 36	(2) 2M x 36	(2) 2M 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) 256K x 36	(2) 8M x 36	NONE
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) 512K x 36	(2) 8M x 36	NONE
68MB	(2) 8M x 36	(2) 256K x 36	(2) 256K x 36
68MB	(2) 8M x 36	(2) 512K x 36	NONE
72MB	(2) 1M x 36	(2) 4M x 36	(2) 4M x 36
72MB	(2) 1M x 36	(2) 8M x 36	NONE
72MB	(2) 8M x 36	(2) 512K x 36	(2) 512K 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
80MB	(2) 2M x 36	(2) 8M x 36	NONE
80MB	(2) 8M x 36	(2) 1M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36	NONE
96MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36
96MB	(2) 4M x 36	(2) 8M x 36	NONE
96MB	(2) 8M x 36	(2) 2M x 36	(2) 2M 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	(2) 8M x 36	NONE
130MB	(2) 256K x 36	(2) 8M x 36	(2) 8M x 36
132MB	(2) 512K x 36	(2) 8M x 36	(2) 8M x 36
136MB	(2) 1M x 36	(2) 8M x 36	(2) 8M x 36
144MB	(2) 2M x 36	(2) 8M x 36	(2) 8M x 36
160MB	(2) 4M x 36	(2) 8M x 36	(2) 8M x 36
192MB	(2) 8M x 36	(2) 8M x 36	(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
1MB	(8) 128K x 8	(1) 32K x 8

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GIGA-BYTE TECHNOLOGY CO., INC.

GA-586AP REV. 2A

... continued from previous page

CACHE JUMPER CONFIGURATION		
Size	JP2	JP3
256KB	pins 1 & 2 closed	pins 1 & 2 closed
512KB	pins 1 & 2 closed	pins 2 & 3 closed
1MB	pins 2 & 3 closed	pins 2 & 3 closed

CPU SPEED CONFIGURATION		
Speed	JP10	JP11
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

CPU SPEED CONFIGURATION	
Speed	JP20
75MHz	Open
90MHz	Open
100MHz	Open
120MHz	Closed
133MHz	Closed