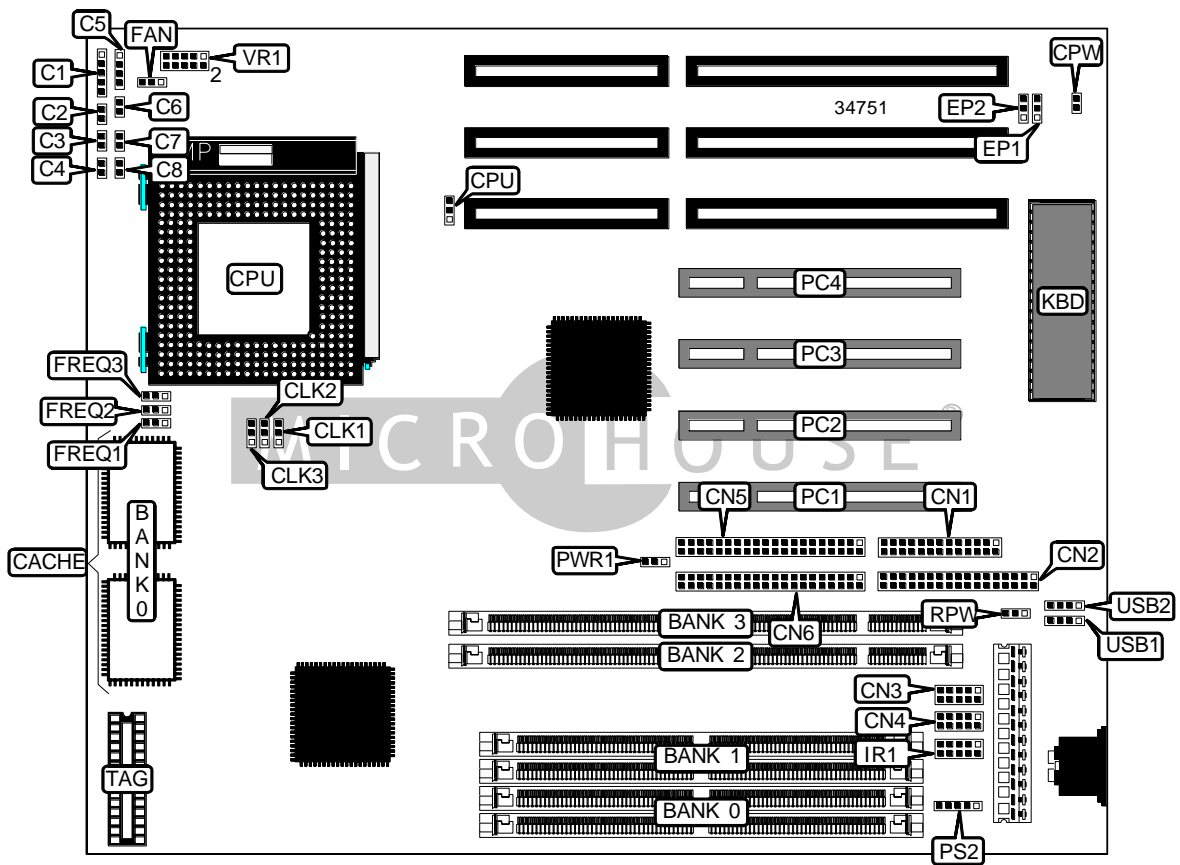


AMERICAN MEGATRENDS, INC. APOLLO IV

Device Type	Mainboard
Processor	AM K5/AM K6/Pentium
Processor Speed	90/100/120/133/150/166/200/233MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO supported)
Maximum Video Memory	None
Cache	512KB
BIOS	AMI
Dimensions	254mm x 218mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connectors (2)
NPU Options	None



Continued on next page . . .

AMERICAN MEGATRENDS, INC.
 APOLLO IV

... continued from previous page

CONNECTIONS			
Purpose	Location	Purpose	Location
Power LED & keylock	C1	Serial port 1	CN4
Turbo LED	C2	IDE interface 2	CN5
Green PC connector	C3	IDE interface 1	CN6
Green PC LED	C4	CPU fan power	CPU
Speaker	C5	Chassis fan power	FAN
IDE interface LED	C6	IR connector	IR1
Remote power switch	C7	32-bit PCI slots	PC1 – PC4
Reset switch	C8	PS/2 mouse interface	PS2
Parallel port	CN1	Soft off power supply	RPW
Floppy drive interface	CN2	USB connector 1	USB1
Serial port 2	CN3	USB connector 2	USB2

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í CMOS memory normal operation	CPW	Open
CMOS memory clear	CPW	Closed
í Power supply type select AT	PWR1	Pins 1 & 2 closed
Power supply type select remote power	PWR1	Pins 2 & 3 closed

SIMM CONFIGURATION		
Size	Bank 0	Bank 1
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	None
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36

Note: Board accepts EDO memory.

Continued on next page...

AMERICAN MEGATRENDS, INC.
 APOLLO IV

... continued from previous page

DIMM CONFIGURATION		
Size	Bank 2	Bank 3
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64

CACHE CONFIGURATION	
Size	Bank 0
512KB	(2) 64K x 32

Note: The size of the TAG is unidentified.

CPU SPEED SELECTION (AM K5, IMI 652)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
90MHz	60MHz	1.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
120MHz	60MHz	1.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
133MHz	66MHz	1.5x	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
150MHz	60MHz	1.75x	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
166MHz	66MHz	1.75x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
200MHz	66MHz	2x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

Continued on next page...

AMERICAN MEGATRENDS, INC.
 APOLLO IV

... continued from previous page

CPU SPEED SELECTION (AM K5, OCS 9147)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
90MHz	60MHz	1.5x	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
120MHz	60MHz	1.5x	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
133MHz	66MHz	1.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
150MHz	60MHz	1.75x	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2
166MHz	66MHz	1.75x	1 & 2	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2
200MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6, IMI 652)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
166MHz	66MHz	2.5x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6, OCS 9147)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
166MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL, IMI 652)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
90MHz	60MHz	1.5x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
120MHz	60MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
133MHz	66MHz	2x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2.5x	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
166MHz	66MHz	2.5x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

Continued on next page...

AMERICAN MEGATRENDS, INC.

APOLLO IV

... continued from previous page

CPU SPEED SELECTION (INTEL, OCS 9147)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
90MHz	60MHz	1.5x	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
120MHz	60MHz	2x	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
133MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2.5x	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2
166MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX, IMI 652)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
166MHz	66MHz	2.5x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX, OCS 9147)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
166MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (SINGLE)	
Voltage	VR1
3.3v	Pins 3 & 4 closed
3.5v	Pins 1 & 2 closed

CPU VOLTAGE SELECTION (DUAL)		
Voltage	V core	VR1
3.3v	2.8v	Pins 9 & 10 closed
3.3v	2.9v	Pins 7 & 8 closed
3.3v	3.2v	Pins 5 & 6 closed

FLASH BIOS SELECTION		
Type	EP1	EP2
AMD 28F020	Pins 1 & 2 closed	Pins 2 & 3 closed
ATMEL AT29C020	Open	Pins 2 & 3 closed
Intel 28F001	Pins 2 & 3 closed	Pins 1 & 2 closed
MXIC MX28F200	Pins 2 & 3 closed	Pins 2 & 3 closed
SST 29EE010	Open	Pins 2 & 3 closed
SST 29EE020	Open	Pins 2 & 3 closed