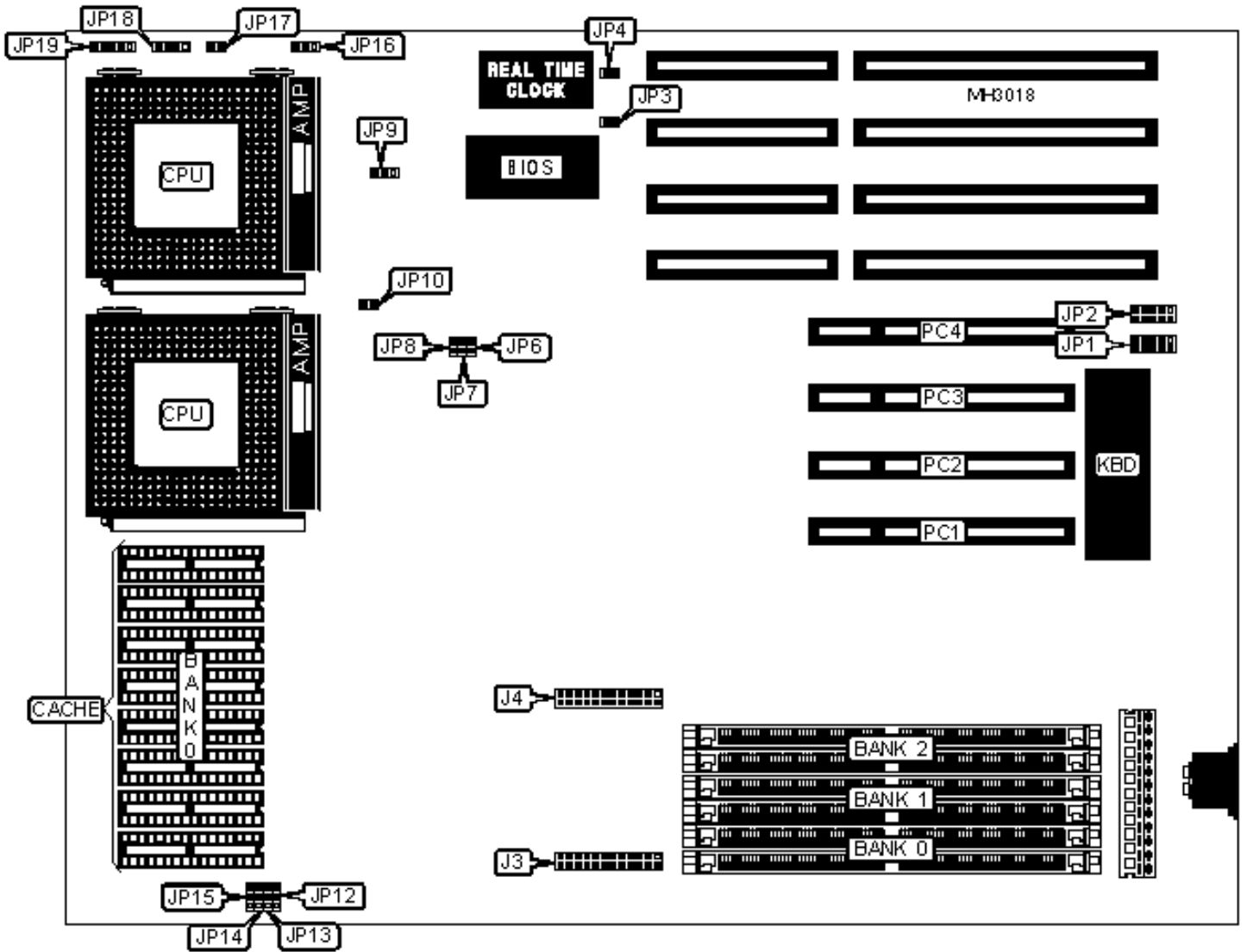


AMPTRON INTERNATIONAL, INC.

PM-9100 (VER. 1.0)

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
3.3v power connector	J3	Reset switch	JP17
3.3v power connector	J4	Speaker	JP18
IRQ feature connector	JP1	Power LED & keylock	JP19
IRQ feature connector	JP2	32-bit PCI slots	PC1 - PC4

USER CONFIGURABLE SETTINGS

Function	Jumper	Position
» CMOS memory normal operation	JP3	Open
CMOS memory clear	JP3	Closed
» BIOS type select 5v EPROM	JP4	Open
BIOS type select 12v flash	JP4	Closed
» Dual processors installed	JP9	pins 2 & 3 closed
Single processor installed	JP9	pins 1 & 2 closed

DRAM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
2MB	(2) 256K x 36	NONE	NONE
4MB	(2) 512K x 36	NONE	NONE
4MB	(2) 256K x 36	(2) 256K x 36	NONE
6MB	(2) 512K x 36	(2) 256K x 36	NONE
6MB	(2) 256K x 36	(2) 256K x 36	(2) 256K x 36
6MB	(2) 256K x 36	(2) 512K 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) 1M x 36	(2) 256K x 36	NONE
10MB	(2) 256K x 36	(2) 512K x 36	(2) 512K x 36
10MB	(2) 256K x 36	(2) 1M 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) 2M x 36	NONE	NONE
16MB	(2) 1M x 36	(2) 512K x 36	(2) 512K x 36
16MB	(2) 1M x 36	(2) 1M x 36	NONE
18MB	(2) 2M x 36	(2) 256K x 36	NONE
18MB	(2) 256K x 36	(2) 1M x 36	(2) 1M x 36
18MB	(2) 256K x 36	(2) 2M 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) 2M x 36	(2) 512K x 36	(2) 512K x 36
24MB	(2) 2M x 36	(2) 1M 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
32MB	(2) 4M x 36	NONE	NONE
32MB	(2) 2M x 36	(2) 1M x 36	(2) 1M x 36
32MB	(2) 2M x 36	(2) 2M x 36	NONE
34MB	(2) 4M x 36	(2) 256K x 36	NONE

34MB	(2) 256K x 36	(2) 2M x 36	(2) 2M x 36
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DRAM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2
34MB	(2) 256K x 36	(2) 4M 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
36MB	(2) 4M x 36	(2) 512K 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
40MB	(2) 1M x 36	(2) 2M x 36	(2) 2M x 36
40MB	(2) 1M 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
48MB	(2) 2M x 36	(2) 2M x 36	(2) 2M x 36
48MB	(2) 2M x 36	(2) 4M x 36	NONE
64MB	(2) 8M x 36	NONE	NONE
64MB	(2) 4M x 36	(2) 2M x 36	(2) 2M x 36
64MB	(2) 4M x 36	(2) 4M x 36	NONE
66MB	(2) 8M x 36	(2) 256K x 36	NONE
66MB	(2) 256K x 36	(2) 4M x 36	(2) 4M x 36
66MB	(2) 256K x 36	(2) 8M 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) 8M x 36	(2) 512K x 36	(2) 512K x 36
72MB	(2) 8M x 36	(2) 1M 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
80MB	(2) 8M x 36	(2) 1M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M 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
96MB	(2) 8M x 36	(2) 2M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M 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
128MB	(2) 16M x 36	NONE	NONE
128MB	(2) 8M x 36	(2) 4M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36	NONE
130MB	(2) 16M x 36	(2) 256K x 36	NONE
130MB	(2) 256K x 36	(2) 8M x 36	(2) 8M x 36
130MB	(2) 256K x 36	(2) 16M x 36	NONE
132MB	(2) 512K x 36	(2) 8M x 36	(2) 8M x 36
132MB	(2) 512K x 36	(2) 16M x 36	NONE
132MB	(2) 16M x 36	(2) 256K x 36	(2) 256K x 36

DRAM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2
132MB	(2) 16M x 36	(2) 512K x 36	NONE

136MB	(2) 16M x 36	(2) 512K x 36	(2) 512K x 36
136MB	(2) 16M x 36	(2) 1M x 36	NONE
136MB	(2) 1M x 36	(2) 8M x 36	(2) 8M x 36
136MB	(2) 1M x 36	(2) 16M x 36	NONE
144MB	(2) 16M x 36	(2) 1M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36	NONE
144MB	(2) 2M x 36	(2) 8M x 36	(2) 8M x 36
144MB	(2) 2M x 36	(2) 16M x 36	NONE
160MB	(2) 16M x 36	(2) 2M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36	NONE
160MB	(2) 4M x 36	(2) 8M x 36	(2) 8M x 36
160MB	(2) 4M x 36	(2) 16M x 36	NONE
192MB	(2) 16M x 36	(2) 4M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36	NONE
192MB	(2) 8M x 36	(2) 8M x 36	(2) 8M x 36
192MB	(2) 8M x 36	(2) 16M x 36	NONE
256MB	(2) 32M x 36	NONE	NONE
256MB	(2) 16M x 36	(2) 8M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36	NONE
258MB	(2) 32M x 36	(2) 256K x 36	NONE
258MB	(2) 256K x 36	(2) 16M x 36	(2) 16M x 36
258MB	(2) 256K x 36	(2) 32M x 36	NONE
260MB	(2) 512K x 36	(2) 16M x 36	(2) 16M x 36
260MB	(2) 512K x 36	(2) 32M x 36	NONE
260MB	(2) 32M x 36	(2) 256K x 36	(2) 256K x 36
260MB	(2) 32M x 36	(2) 512K x 36	NONE

264MB	(2) 32M x 36	(2) 512K x 36	(2) 512K x 36
264MB	(2) 32M x 36	(2) 1M x 36	NONE
264MB	(2) 1M x 36	(2) 16M x 36	(2) 16M x 36
264MB	(2) 1M x 36	(2) 32M x 36	NONE
272MB	(2) 32M x 36	(2) 1M x 36	(2) 1M x 36
272MB	(2) 32M x 36	(2) 2M x 36	NONE
272MB	(2) 2M x 36	(2) 16M x 36	(2) 16M x 36
272MB	(2) 2M x 36	(2) 32M x 36	NONE
288MB	(2) 32M x 36	(2) 2M x 36	(2) 2M x 36
288MB	(2) 32M x 36	(2) 4M x 36	NONE
288MB	(2) 4M x 36	(2) 16M x 36	(2) 16M x 36
288MB	(2) 4M x 36	(2) 32M x 36	NONE
320MB	(2) 32M x 36	(2) 4M x 36	(2) 4M x 36
320MB	(2) 32M x 36	(2) 8M x 36	NONE
320MB	(2) 8M x 36	(2) 16M x 36	(2) 16M x 36
320MB	(2) 8M x 36	(2) 32M x 36	NONE
384MB	(2) 32M x 36	(2) 8M x 36	(2) 8M x 36

DRAM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2
384MB	(2) 32M x 36	(2) 16M x 36	NONE
384MB	(2) 16M x 36	(2) 16M x 36	(2) 16M x 36
384MB	(2) 16M x 36	(2) 32M x 36	NONE
512MB	(2) 32M x 36	(2) 16M x 36	(2) 16M x 36
512MB	(2) 32M x 36	(2) 32M x 36	NONE

CACHE CONFIGURATION

Size	Bank 0
256KB	(8) 32K x 8
512KB	(8) 64K x 8

CACHE JUMPER CONFIGURATION

Size	JP16
256KB	pins 1 & 2 closed
512KB	pins 2 & 3 closed

CACHE VOLTAGE CONFIGURATION

Voltage	JP12	JP13	JP14	JP15
3.3v	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed
5v	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed

CPU CLOCK SPEED CONFIGURATION

Speed	JP6	JP7	JP8
50MHz	Closed	Open	Open
60MHz	Open	Closed	Open
66MHz	Closed	Open	Closed

CPU INTERNAL CLOCK SPEED CONFIGURATION

Speed	JP10
1.5x	Open
2x	Closed

MISCELLANEOUS CONFIGURATION

If one of the 3.3v power connectors are used, J3 must be connected with JP1 or J4 must be connected with J