AMPTRON INTERNATIONAL, INC.

PM-9400

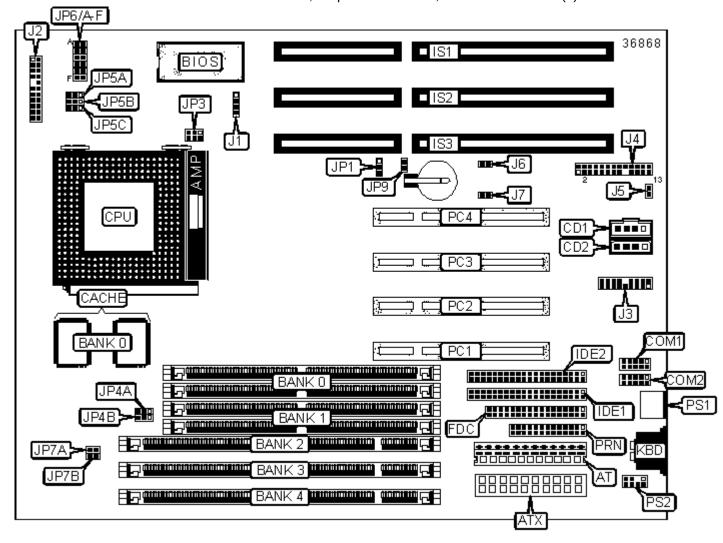|	
Device Type	Mainboard
Processor	CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/CX 6X86MX/IBM 6X86MX/AM K5/AM K6/IDT C6/Pentium/Pentium MMX
Processor Speed	90/100/120/133/150/166/180/200/233/266/300MHz
Chip Set	Unidentified
Maximum Onboard Memory	384MB (EDO & SDRAM supported)
Cache	1024KB
BIOS	NCR
Dimensions	Unidentified
I/O Options	32-bit PCI slots (4), 16-bit ISA slots (3), floppy drive interface, sound/game interface, green PC connector, IDE interfaces (2), AT Keyboard port, parallel port, PS/2 mouse port, PS/2 mouse interface, serial interfaces (2), IR connector, USB interfaces (2), ATX power connector, digital audio in, digital audio out, AT power connector, Audio in - CD-ROM (2)

CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
AT power connector	AT	Reset switch	J2/Pins 17 & 18

ATX power connector	ATX	Green LED	J2/Pins 19 & 20
Audio in - CD-ROM (Sony)	CD1	USB interface 1	J3/Pins 1 - 4
Audio in - CD-ROM (Panasonic)	CD2	USB interface 2	J3/Pins 10 - 13
Serial port 1	COM1	PS/2 mouse interface	J3/Pins 5, 6, 15 & 16
Serial port 2	COM2	IR connector	J3/Pins 7 - 9, 17 & 18
Floppy drive interface	FDC	Sound/game interface	J4
IDE interface 1	IDE1	Digial line out	J6
IDE interface 2	IDE2	Digial line in	J7
16-bit ISA slots	IS1 - IS3	AT keyboard port	KBD
Power supply fan power	J1	32-bit PCI slots	PC1 - PC4
Power LED & keylock	J2/Pins 2, 4, 6, 8 & 10	Parallel interface	PRN
Speaker	J2/Pins 1, 3, 5 & 7	PS/2 mouse port	PS1
Turbo LED	J2/Pins 13 & 14	PS/2 mouse interface	PS2
IDE interface LED	J2/Pins 15 & 16		

USER CONFIGURABLE SETTINGS			
	Function	**Label**	**Position**
	Standard MIC type selected	J5	Open
	Special MIC type selected	J5	Closed
»	CMOS memory normal operation	JP1	Pins 2 & 3 closed
	CMOS memory clear	JP1	Pins 1 & 2 closed
»	Factory configured - do not alter	JP5C	Unidentified
	Sound Pro enabled	JP9	Open
	Sound Pro disabled	JP9	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) 16M x 36	None
128MB	(2) 8M x 36	(2) 8M x 36
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 & SDRAM memory.
Note: Bank 0 and Bank 2 can not be installed at the same time. Bank 1 and Bank 3 can not be installed at the same time.

DIMM CONFIGURATION			
Size	Bank 2	Bank 3	Bank 4
8MB	(1) 1M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
16MB	(1) 2M x 64	None	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64

32MB	(1) 2M x 64	(1) 2M x 64	None
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
192MB	(1) 16M x 64	(1) 4M 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
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64

Note: Board supports EDO & SDRAM memory.
Note: Bank 0 and Bank 2 can not be installed at the same time. Bank 1 and Bank 3 can not be installed at the same time.

DIMM/SIMM VOLTAGE CONFIGURATION			
Voltage		**JP4A**	**JP4B**
»	3.3V	Pins 2 & 3 closed	Pins 2 & 3 closed
	5V	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU TYPE SELECTION		
Setting	**JP3A**	**JP3B**
Pentium MMX, AM K6, IBM/CX 6x86L, IBM/CX 6x68MX	Pins 1 & 2 closed	Pins 1 & 2 closed
Pentium, IDT C6, AM K5, IBM/CX 6X86	Pins 2 & 3 closed	PIns 2 & 3 closed

CPU MULTIPLIER SELECTION (CX)		
Multiplier	**JP5A**	**JP5B**
2x	Pins 2 & 3 closed	Pins 1 & 2 closed
2.5x	Pins 2 & 3 closed	Pins 2 & 3 closed
3x	Pins 1 & 2 closed	Pins 2 & 3 closed

CPU MULTIPLIER SELECTION (AM)		
Multiplier	**JP5A**	**JP5B**
1.5x	Pins 1 & 2 closed	Pins 1 & 2 closed
2.5x	Pins 2 & 3 closed	Pins 2 & 3 closed
3x	Pins 1 & 2 closed	Pins 2 & 3 closed
3.5x	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU MULTIPLIER SELECTION (IDT C6)		
Multiplier	**JP5A**	**JP5B**
3x	Pins 1 & 2 closed	Pins 2 & 3 closed

CPU MULTIPLIER SELECTION (PENTIUM)			
	Multiplier	**JP5A**	**JP5B**
	1.5x	Pins 1 & 2 closed	Pins 1 & 2 closed
»	2x	Pins 2 & 3 closed	Pins 1 & 2 closed
	2.5x	Pins 2 & 3 closed	Pins 2 & 3 closed
	3x	Pins 1 & 2 closed	Pins 2 & 3 closed

CPU CLOCK SELECTION		
Clock Speed	**JP7A**	**JP7B**
60MHz	Closed	Closed
» 66MHz	Open	Closed
75MHz	Closed	Open
83MHz	Open	Open

CPU VOLTAGE SELECTION (DUAL)						
Voltage	**JP6A**	**JP6B**	**JP6C**	**JP6D**	**JP6E**	**JP6F**
2.2V	Open	Open	Open	Open	Open	Open
2.5V	Open	Open	Open	Open	Open	Closed
» 2.8V	Open	Open	Open	Open	Closed	Closed
2.9V	Open	Open	Open	Closed	Open	Closed
3.2V	Open	Open	Closed	Open	Open	Closed

CPU VOLTAGE SELECTION (SINGLE)						
Voltage	**JP6A**	**JP6B**	**JP6C**	**JP6D**	**JP6E**	**JP6F**
3.3V	Open	Closed	Open	Open	Open	Closed
3.5V	Closed	Open	Open	Open	Open	Closed