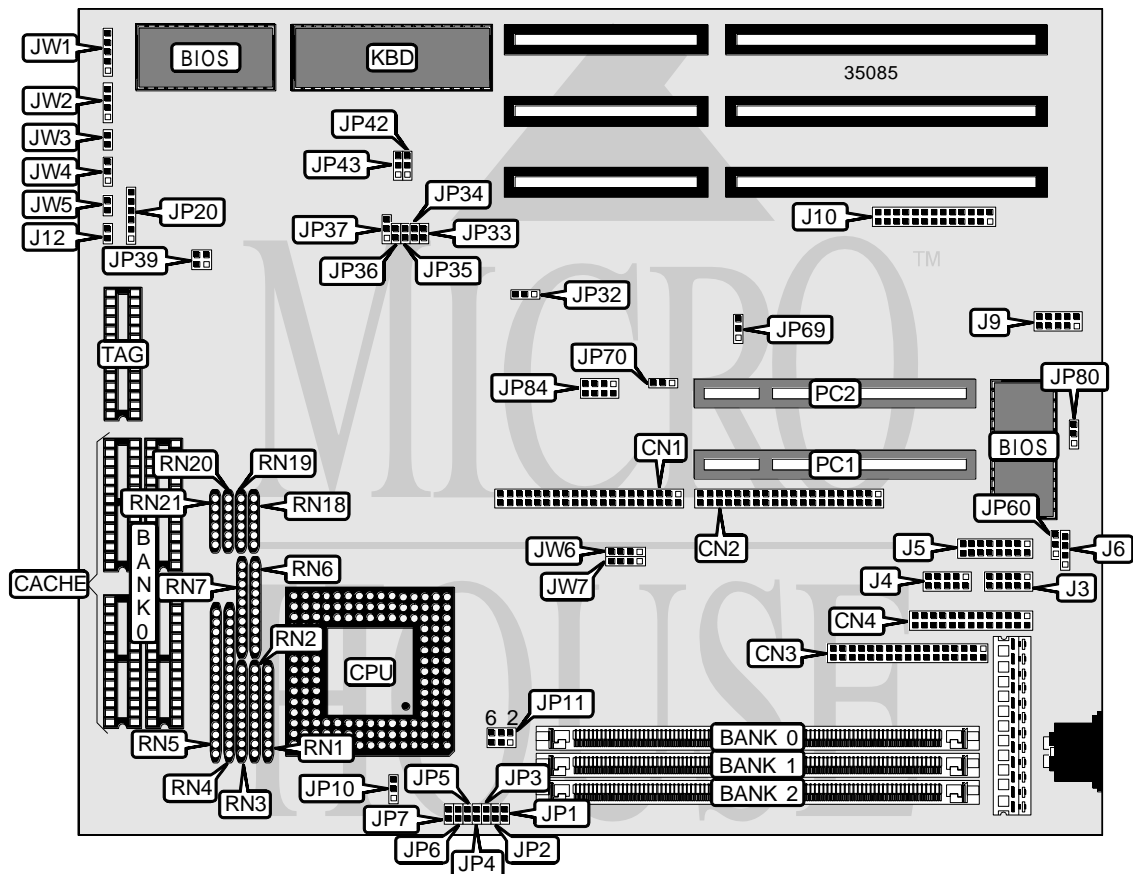


# ABIT COMPUTER CORPORATION

## PV4/PV4T (REV. 1.1)

<b>Processor</b>	80486SX/SL80486SX/U55/CX486DX/AM486DX/80486DX/SL80486DX/ AM486DX2/AM486DX2V8T/CX486DX2/CX486DX2V/SL80486DX2/AM486DX4/ 80486DX4/Pentium Overdrive
<b>Processor Speed</b>	25/33/40/50(internal)/66(internal)/75(internal)/80(internal)/100(internal)MHz
<b>Chip Set</b>	Unidentified
<b>Max. Onboard DRAM</b>	128MB
<b>Cache</b>	128/256/512KB
<b>BIOS</b>	Award
<b>Dimensions</b>	254mm x 218mm
<b>I/O Options</b>	32-bit PCI slots (2), floppy drive interface, game port, green PC connector, IDE interfaces (2), parallel port, serial ports (2), VGA feature connector, VGA port
<b>NPU Options</b>	None



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# ABIT COMPUTER CORPORATION

## PV4/PV4T (REV. 1.1)

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CONNECTIONS			
Purpose	Location	Purpose	Location
IDE interface (primary)	CN1	Green PC connector	JP39
IDE interface (secondary)	CN2	Power LED & keylock	JW1
Floppy drive interface	CN3	Speaker	JW2
Parallel port	CN4	Turbo LED	JW3
Serial port 1	J3	Turbo switch	JW4
Serial port 2	J4	Reset switch	JW5
Game interface	J5	IDE interface LED	JW6
External battery	J6	IDE interface LED	JW7
VGA interface	J9	32-bit PCI slots	PC1 & PC2
VGA feature connector	J10		

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Factory configured - do not alter	J12	N/A
í Factory configured - do not alter	JP5	N/A
í Factory configured - do not alter	JP6	N/A
í Factory configured - do not alter	JP36	N/A
í Factory configured - do not alter	JP42	pins 2 & 3 closed
í Factory configured - do not alter	JP43	pins 1 & 2 closed
í On board VGA enabled	JP69	pins 2 & 3 closed
On board VGA disabled	JP69	pins 1 & 2 closed
í Factory configured - do not alter	JP70	Open
í Factory configured - do not alter	JP84	Open
í Factory configured - do not alter	RN18	N/A
í Factory configured - do not alter	RN19	N/A
í Factory configured - do not alter	RN20	N/A
í Factory configured - do not alter	RN21	N/A

DRAM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
1MB	(1) 256K x 36	NONE	NONE
2MB	(1) 256K x 36	(1) 256K x 36	NONE
2MB	(1) 512K x 36	NONE	NONE
4MB	(1) 256K x 36	(1) 256K x 36	(1) 512K x 36
4MB	(1) 512K x 36	(1) 512K x 36	NONE
4MB	(1) 1M x 36	NONE	NONE
5MB	(1) 256K x 36	(1) 1M x 36	NONE
6MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36
6MB	(1) 512K x 36	(1) 1M x 36	NONE
8MB	(1) 512K x 36	(1) 512K x 36	(1) 1M x 36
8MB	(1) 1M x 36	(1) 1M x 36	NONE
8MB	(1) 2M x 36	NONE	NONE
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 2M x 36	(1) 2M x 36	NONE

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# ABIT COMPUTER CORPORATION

## PV4/PV4T (REV. 1.1)

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DRAM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
16MB	(1) 4M x 36	NONE	NONE
17MB	(1) 256K x 36	(1) 4M x 36	NONE
18MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36
20MB	(1) 512K x 36	(1) 512K x 36	(1) 4M x 36
20MB	(1) 1M x 36	(1) 4M x 36	NONE
24MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36
24MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
32MB	(1) 4M x 36	(1) 4M x 36	NONE
32MB	(1) 8M x 36	NONE	NONE
36MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
36MB	(1) 1M x 36	(1) 8M x 36	NONE
40MB	(1) 1M x 36	(1) 1M x 36	(1) 8M x 36
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
48MB	(1) 4M x 36	(1) 8M x 36	NONE
64MB	(1) 16M x 36	NONE	NONE
64MB	(1) 4M x 36	(1) 4M x 36	(1) 8M x 36
64MB	(1) 8M x 36	(1) 8M x 36	NONE
65MB	(1) 256K x 36	(1) 16M x 36	NONE
68MB	(1) 1M x 36	(1) 16M x 36	NONE
68MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36
72MB	(1) 1M x 36	(1) 1M x 36	(1) 16M x 36
80MB	(1) 4M x 36	(1) 16M x 36	NONE
80MB	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36
96MB	(1) 4M x 36	(1) 4M x 36	(1) 16M x 36
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
128MB	(1) 16M x 36	(1) 16M x 36	NONE

CACHE CONFIGURATION		
Size	Bank 0	TAG
128KB	(4) 32K x 8	(1) 32K x 8
256KB	(4) 64K x 8	(1) 32K x 8
512KB	(4) 128K x 8	(1) 32K x 8

CACHE JUMPER CONFIGURATION	
Size	JP20
128KB	pins 1 & 2, 4 & 5 closed
256KB	pins 2 & 3, 4 & 5 closed
512KB	pins 2 & 3, 5 & 6 closed

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# ABIT COMPUTER CORPORATION

## PV4/PV4T (REV. 1.1)

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CPU TYPE CONFIGURATION				
Type	JP7	JP10	JP11	JP37
80486SX	Open	Open	1 & 3, 2 & 4	1 & 2
SL80486SX	Open	Open	1 & 3, 2 & 4	Open
U5S	Open	Open	1 & 3, 2 & 4	1 & 2
CX486DX	Open	Open	1 & 3, 2 & 4	Open
AM486DX	Open	Open	1 & 3, 2 & 4	1 & 2
80486DX	Open	Open	1 & 3, 2 & 4	1 & 2
SL80486DX	Open	Open	1 & 3, 2 & 4	Open
AM486DX2	Open	Open	1 & 3, 2 & 4	1 & 2
AM486DX2V8T	Closed	Open	3 & 4, 5 & 6	1 & 2
CX486DX2	Open	Open	1 & 3, 2 & 4	Open
CX486DX2V	Open	Open	3 & 4, 5 & 6	Open
SL80486DX2	Open	Open	1 & 3, 2 & 4	Open
AM486DX4	Open	Open	3 & 5, 4 & 6	1 & 2
80486DX4	Open	Open	3 & 5, 4 & 6	Open
Pentium Overdrive	Open	Open	1 & 3, 2 & 4	Open

Note: Pins designated should be in the closed position. The CX486DX2V, AM486DX4V8T & 80486DX4 are only available on the PV4T mainboard.

CPU TYPE CONFIGURATION (CON'T)				
Type	RN1	RN2	RN3	RN4
80486SX	Not installed	Not installed	Not installed	pins 9 - 16 closed
SL80486SX	Not installed	Not installed	Not installed	pins 9 - 16 closed
U5S	Not installed	Not installed	Not installed	pins 9 - 16 closed
CX486DX	Not installed	pins 1 - 8 closed	Not installed	pins 1 - 8 closed
AM486DX	Not installed	Not installed	Not installed	pins 5 - 12 closed
80486DX	Not installed	Not installed	Not installed	pins 5 - 12 closed
SL80486DX	Not installed	Not installed	Not installed	pins 5 - 12 closed
AM486DX2	Not installed	Not installed	Not installed	pins 5 - 12 closed
AM486DX2V8T	Not installed	Not installed	Not installed	pins 5 - 12 closed
CX486DX2	Not installed	pins 1 - 8 closed	Not installed	pins 1 - 8 closed
CX486DX2V	Not installed	pins 1 - 8 closed	Not installed	pins 1 - 8 closed
SL80486DX2	Not installed	Not installed	Not installed	pins 5 - 12 closed
AM486DX4	Not installed	Not installed	Not installed	pins 5 - 12 closed
80486DX4	Not installed	Not installed	Not installed	pins 5 - 12 closed
Pentium Overdrive	Not installed	Not installed	Not installed	Not installed

Note: The CX486DX2V, AM486DX4V8T & 80486DX4 are only available on the PV4T mainboard.

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# ABIT COMPUTER CORPORATION

## PV4/PV4T (REV. 1.1)

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CPU TYPE CONFIGURATION (CON'T)			
Type	RN5	RN6	RN7
80486SX	Not installed	Not installed	pins 1 - 8 closed
SL80486SX	Not installed	Not installed	pins 1 - 8 closed
U5S	Not installed	Not installed	pins 1 - 8 closed
CX486DX	Not installed	pins 1 - 8 closed	Not installed
AM486DX	Not installed	pins 1 - 8 closed	pins 1 - 8 closed
80486DX	Not installed	pins 1 - 8 closed	pins 1 - 8 closed
SL80486DX	Not installed	pins 1 - 8 closed	pins 1 - 8 closed
AM486DX2	Not installed	pins 1 - 8 closed	pins 1 - 8 closed
AM486DX2V8T	Not installed	pins 1 - 8 closed	pins 1 - 8 closed
CX486DX2	Not installed	pins 1 - 8 closed	Not installed
CX486DX2V	Not installed	pins 1 - 8 closed	Not installed
SL80486DX2	Not installed	pins 1 - 8 closed	pins 1 - 8 closed
AM486DX4	Not installed	pins 1 - 8 closed	pins 1 - 8 closed
80486DX4	Not installed	pins 1 - 8 closed	pins 1 - 8 closed
Pentium Overdrive	pins 7 & 16 closed	pins 2 & 3 closed	pins 1 & 2 closed

Note: The CX486DX2V, AM486DX4V8T & 80486DX4 are only available on the PV4T mainboard.

CPU SPEED CONFIGURATION				
Speed	JP32	JP33	JP34	JP35
25MHz	pins 1 & 2 closed	Open	Open	Closed
33MHz	pins 1 & 2 closed	Closed	Closed	Closed
40MHz	pins 1 & 2 closed	Open	Closed	Closed
50iMHz	pins 1 & 2 closed	Open	Open	Closed
66iMHz	pins 1 & 2 closed	Closed	Closed	Closed
75iMHz	pins 1 & 2 closed	Open	Open	Closed
80iMHz	pins 1 & 2 closed	Open	Closed	Closed
100iMHz	pins 1 & 2 closed	Closed	Closed	Closed

CPU VOLTAGE CONFIGURATION				
Voltage	JP1	JP2	JP3	JP4
3.3v	Closed	Open	Open	Open
3.45v	Open	Closed	Open	Open
3.6v	Open	Open	Closed	Open
4.04v	Open	Open	Open	Closed

CMOS CONFIGURATION		
Setting	JP60	JP80
CMOS memory normal operation	pins 1 & 2 closed	pins 1 & 2 closed
CMOS memory clear	pins 2 & 3 closed	pins 2 & 3 closed