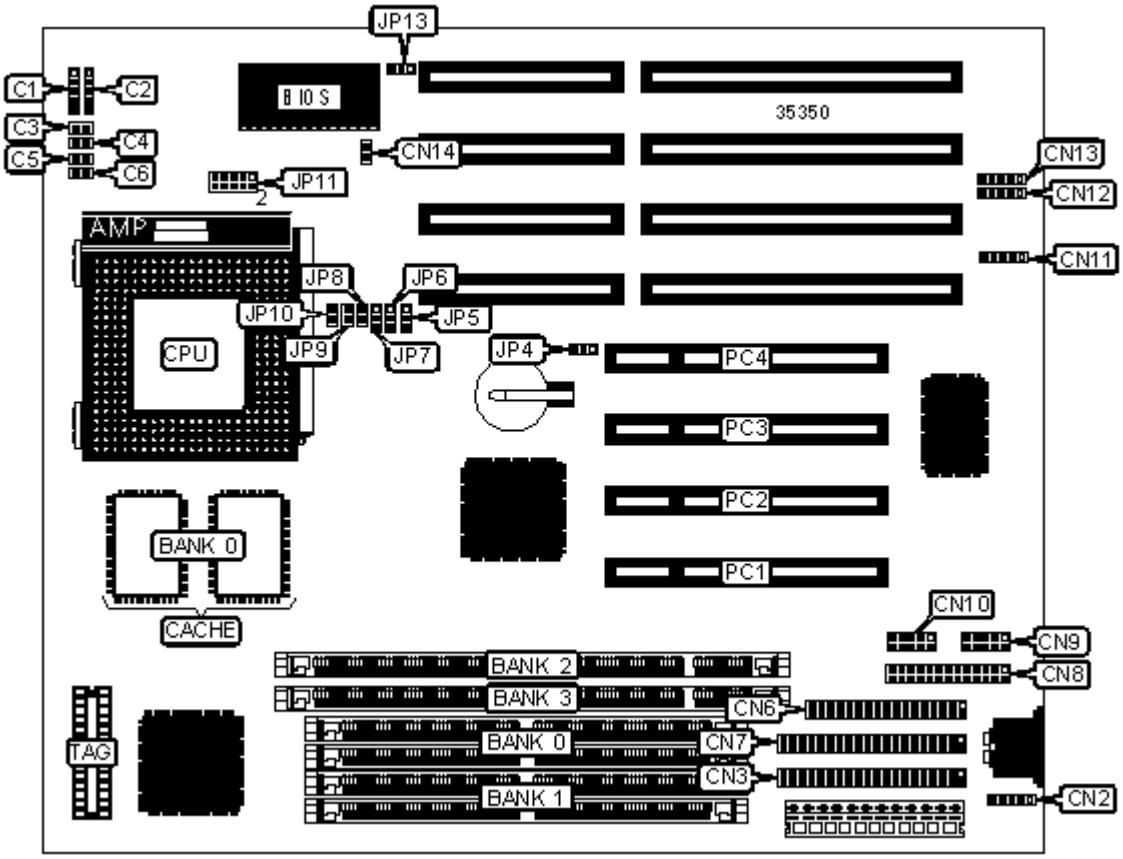
AZZA

PT-5IT

Device Type	Mainboard
Processor	CX 6X86/CX 6X86L/CX 686MX/AM K5/AM K6/Pentium/Pentium MMX
Processor Speed	75/90/100/120/133/150/166/180/200/233/266MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO & SDRAM supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Award
Dimensions	255mm x 220mm
I/O Options	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connectors (2)
NPU Options	None



CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Power LED & keylock	C1	IDE interface 1	CN7
Speaker	C2	Parallel port	CN8

Turbo switch	C3	Serial port 2	CN9
Turbo LED	C4	Serial port 1	CN10
IDE interface LED	C5	IR connector	CN11
Reset switch	C6	USB connector 1	CN12
PS/2 mouse interface	CN2	USB connector 2	CN13
IDE interface 2	CN3	Chassis fan power	CN14
Floppy drive interface	CN6	32-bit PCI slots	PC1 – PC4

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	CMOS memory normal operation	JP4	Pins 1 & 2 closed
	CMOS memory clear	JP4	Pins 2 & 3 closed
	Flash BIOS voltage select 12v	JP13	Pins 2 & 3 closed
	Flash BIOS voltage select 5v	JP13	Pins 1 & 2 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

SIMM CONFIGURATION (CON'T)		
Size	**Bank 0**	**Bank 1**
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.		

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
Note: Board accepts SDRAM memory.		

CACHE CONFIGURATION		
Size	**Bank 0**	**TAG**
256KB	(2) 32K x 32	(1) 8K/16K/32K x 8
512KB	(2) 64K x 32	(1) 16K/32K x 8

CPU SPEED SELECTION (CX 6X86)								
CPU speed	**Clock speed**	**Multiplier**	**JP5**	**JP6**	**JP7**	**JP8**	**JP9**	**JP10**
120MHz	50MHz	2x	1 & 2	1 & 2	1 & 2	Closed	Open	Open
133MHz	55MHz	2x	1 & 2	1 & 2	2 & 3	Closed	Open	Open
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	Closed	Open	Open
166MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	Closed	Open	Open
200MHz	50MHz	3x	1 & 2	1 & 2	1 & 2	Open	Open	Open
200MHz	75MHz	2x	2 & 3	1 & 2	2 & 3	Closed	Open	Open
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (CX 6X86L)								
CPU speed	**Clock speed**	**Multiplier**	**JP5**	**JP6**	**JP7**	**JP8**	**JP9**	**JP10**
120MHz	50MHz	2x	1 & 2	1 & 2	1 & 2	Closed	Open	Open
133MHz	55MHz	2x	1 & 2	1 & 2	2 & 3	Closed	Open	Open
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	Closed	Open	Open
166MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	Closed	Open	Open
200MHz	50MHz	3x	1 & 2	1 & 2	1 & 2	Open	Open	Open
200MHz	75MHz	2x	2 & 3	1 & 2	2 & 3	Closed	Open	Open
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (CX 6X86MX)								
CPU speed	**Clock speed**	**Multiplier**	**JP5**	**JP6**	**JP7**	**JP8**	**JP9**	**JP10**
166MHz	60MHz	2.5x	2 & 3	1 & 2	1 & 2	Closed	Closed	Open
200MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	Closed	Closed	Open
233MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	Open	Closed	Open
266MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	Open	Open	Open
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (AM K5)								
CPU speed	**Clock speed**	**Multiplier**	**JP5**	**JP6**	**JP7**	**JP8**	**JP9**	**JP10**
75MHz	50MHz	1.5x	1 & 2	1 & 2	1 & 2	Open	Open	Open
90MHz	60MHz	1.5x	2 & 3	1 & 2	1 & 2	Open	Open	Open
100MHz	66MHz	1.5x	1 & 2	2 & 3	1 & 2	Open	Open	Open
120MHz	60MHz	1.5x	2 & 3	1 & 2	1 & 2	Open	Open	Open
133MHz	66MHz	1.5x	1 & 2	2 & 3	1 & 2	Open	Open	Open

150MHz	60MHz	2.5x	2 & 3	1 & 2	1 & 2	Closed	Closed	Open
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	Closed	Closed	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	JP5	JP6	JP7	JP8	JP9	JP10
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	Closed	Closed	Open
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	Open	Closed	Open
233MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	Open	Open	Open
266MHz	66MHz	4x	1 & 2	2 & 3	1 & 2	Closed	Open	Closed

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	JP5	JP6	JP7	JP8	JP9	JP10
75MHz	50MHz	1.5x	1 & 2	1 & 2	1 & 2	Open	Open	Open
90MHz	60MHz	1.5x	2 & 3	1 & 2	1 & 2	Open	Open	Open
100MHz	66MHz	1.5x	1 & 2	2 & 3	1 & 2	Open	Open	Open
120MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	Closed	Open	Open
133MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	Closed	Open	Open
150MHz	60MHz	2.5x	2 & 3	1 & 2	1 & 2	Closed	Closed	Open
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	Closed	Closed	Open
180MHz	60MHz	3x	2 & 3	1 & 2	1 & 2	Open	Closed	Open
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	Open	Closed	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)

CPU	Clock	Multiplier	JP5	JP6	JP7	JP8	JP9	JP10

speed	speed							
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	Closed	Closed	Open
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	Open	Closed	Open
233MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	Open	Open	Open
Note: Pins designated should be in the closed position.								

CPU VOLTAGE SELECTION (SINGLE)	
Voltage	**JP11**
3.3v	Pins 3 & 4 closed
3.5v	Pins 1 & 2 closed

CPU VOLTAGE SELECTION (DUAL)		
Voltage	**V core**	**JP11**
3.3v	2.1v	Pins 9 & 10 closed
3.3v	2.5v	Pins 3 & 4, 5 & 6, 7 & 8 closed
3.3v	2.8v	Pins 7 & 8 closed
3.3v	2.9v	Pins 5 & 6 closed
3.3v	3.2v	Pins 1 & 2 closed