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S 1 6 8 4 S A

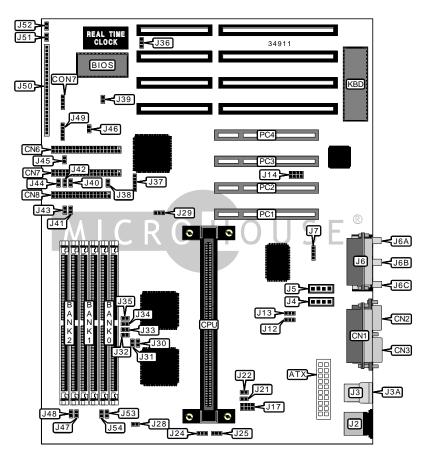|	
Device Type	Mainboard
Processor	Pentium Pro/Pentium II
Processor Speed	150/166/180/200/233/266/300MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	768MB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB (located on Pentium Pro/Pentium II CPU)
BIOS	AMI, Award
Dimensions	305mm x 244mm
I/O Options	32-bit PCI slots (4), floppy drive interface, game port, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector, line in, line out, microphone in, wavetable connector, audio in – CD-ROMs (2)
NPU Options	None

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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	Modem connector	J7
Parallel port	CN1	Wavetable connector	J14
Serial port 2	CN2	CPU fan power	J24
Serial port 1	CN3	CPU fan power	J25
IDE interface 2	CN6	CPU fan fail warning	J28
IDE interface 1	CN7	IDE interface LED	J39
Floppy drive interface	CN8	Soft off power supply	J45
PS/2 mouse port	J2	Keylock	J49/pins 4 & 5
USB connector 1	J3	Soft off power supply	J50/pins 1 & 2
USB connector 2	J3A	Green PC connector	J50/pins 3 & 4
Audio in – CD-ROM (Sony)	J4	IR connector	J50/pins 8 - 10
Audio in – CD-ROM	J5	IDE interface LED	J50/pins 15 & 16
Game port	J6	Power LED	J50/pins 18 - 20
Microphone in	J6A	Reset switch	J50/pins 22 & 23
Line in	J6B	Speaker	J50/pins 24 - 27
Line out	J6C	32-bit PCI slots	PC1 – PC4

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í Factory configured - do not alter	CON7	Unidentified
Serial port used as serial port	J12	Pins 1 & 2 closed
Serial port used as IR connector	J12	Pins 2 & 3 closed
í Factory configured - do not alter	J13	Unidentified
í Factory configured - do not alter	J17	Unidentified
í Factory configured - do not alter	J21	Unidentified
í Factory configured - do not alter	J22	Unidentified
í Factory configured - do not alter	J29	Unidentified
í Flash BIOS voltage select 5v	J36	Pins 1 & 2 closed
Flash BIOS voltage select 12v	J36	Pins 2 & 3 closed
í Factory configured - do not alter	J46	Unidentified
í Factory configured - do not alter	J51	Unidentified
í CMOS memory normal operation	J52	Open
CMOS memory clear	J52	Closed
í Factory configured - do not alter	J53	Unidentified
í Factory configured - do not alter	J54	Unidentified

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SIMM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
8MB	(2) 1M x 36	None	None
16MB	(2) 1M x 36	(2) 1M x 36	None
16MB	(2) 2M x 36	None	None
24MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
32MB	(2) 2M x 36	(2) 2M x 36	None
32MB	(2) 4M x 36	None	None
48MB	(2) 2M x 36	(2) 2M x 36	(2) 2M x 36
64MB	(2) 4M x 36	(2) 4M x 36	None
64MB	(2) 8M x 36	None	None
96MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36	None
128MB	(2) 16M x 36	None	None
136MB	(2) 16M x 36	(2) 1M 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
160MB	(2) 16M x 36	(2) 2M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M 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
256MB	(2) 16M x 36	(2) 8M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36	None
256MB	(2) 32M x 36	None	None
264MB	(2) 32M x 36	(2) 1M 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
288MB	(2) 32M x 36	(2) 2M x 36	(2) 2M x 36
288MB	(2) 32M x 36	(2) 4M 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
384MB	(2) 32M x 36	(2) 8M x 36	(2) 8M x 36
384MB	(2) 32M x 36	(2) 16M x 36	None

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SIMM CONFIGURATION (CON'T)			
Size	**Bank 0**	**Bank 1**	**Bank 2**
384MB	(2) 16M x 36	(2) 16M x 36	(2) 16M x 36
512MB	(2) 32M x 36	(2) 16M x 36	(2) 16M x 36
512MB	(2) 32M x 36	(2) 32M x 36	None
768MB	(2) 32M x 36	(2) 32M x 36	(2) 32M x 36
Note: Board accepts EDO memory.			

SIMM VOLTAGE CONFIGURATION				
Voltage	**J32**	**J33**	**J34**	**J35**
3.3v	Closed	Closed	Closed	Closed
í 5v	Open	Open	Open	Open

SIMM VOLTAGE CONFIGURATION (CON'T)				
Voltage	**J41**	**J43**	**J47**	**J48**
3.3v	Open	Open	Open	Open
í 5v	Closed	Closed	Closed	Closed

CACHE CONFIGURATION
Note: 256KB/512KB cache is located on the Pentium Pro/Pentium II CPU.

CPU SPEED SELECTION (PENTIUM PRO)						
CPU speed	**Clock speed**	**Multiplier**	**J30**	**J31**	**J37**	**J38**
150MHz	60MHz	2.5x	Open	Closed	3 & 4	Closed
166MHz	66MHz	2.5x	Closed	Open	1 & 2	Closed
180MHz	60MHz	3x	Open	Closed	3 & 4	Closed
200MHz	66MHz	3x	Closed	Open	1 & 2	Closed
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (PENTIUM PRO, CON'T)					
CPU speed	**Clock speed**	**Multiplier**	**J40**	**J42**	**J44**
150MHz	60MHz	2.5x	Open	Closed	Closed
166MHz	66MHz	2.5x	Open	Closed	Closed
180MHz	60MHz	3x	Closed	Open	Closed
200MHz	66MHz	3x	Closed	Open	Closed

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CPU SPEED SELECTION (PENTIUM II)						
CPU speed	Clock speed	Multiplier	J30	J31	J37	J38
200MHz	66MHz	3x	Closed	Open	1 & 2	Closed
233MHz	66MHz	3.5x	Open	Closed	3 & 4	Closed
266MHz	66MHz	4x	Closed	Open	1 & 2	Closed
300MHz	66MHz	4.5x	Open	Closed	3 & 4	Closed
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (PENTIUM II, CON'T)					
CPU speed	Clock speed	Multiplier	J40	J42	J44
200MHz	66MHz	3x	Closed	Open	Closed
233MHz	66MHz	3.5x	Open	Open	Closed
266MHz	66MHz	4x	Closed	Closed	Open
300MHz	66MHz	4.5x	Open	Closed	Open