COMPULINK RESEARCH, INC.

P T 5 - A X

Processor	Pentium
Processor Speed	75/90/100/120/133/150/166/180/200MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Unidentified
Dimensions	305mm x 244mm
I/O Options	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), cache slot, IR connector, ATX power connector, extended PCI slot
NPU Options	None
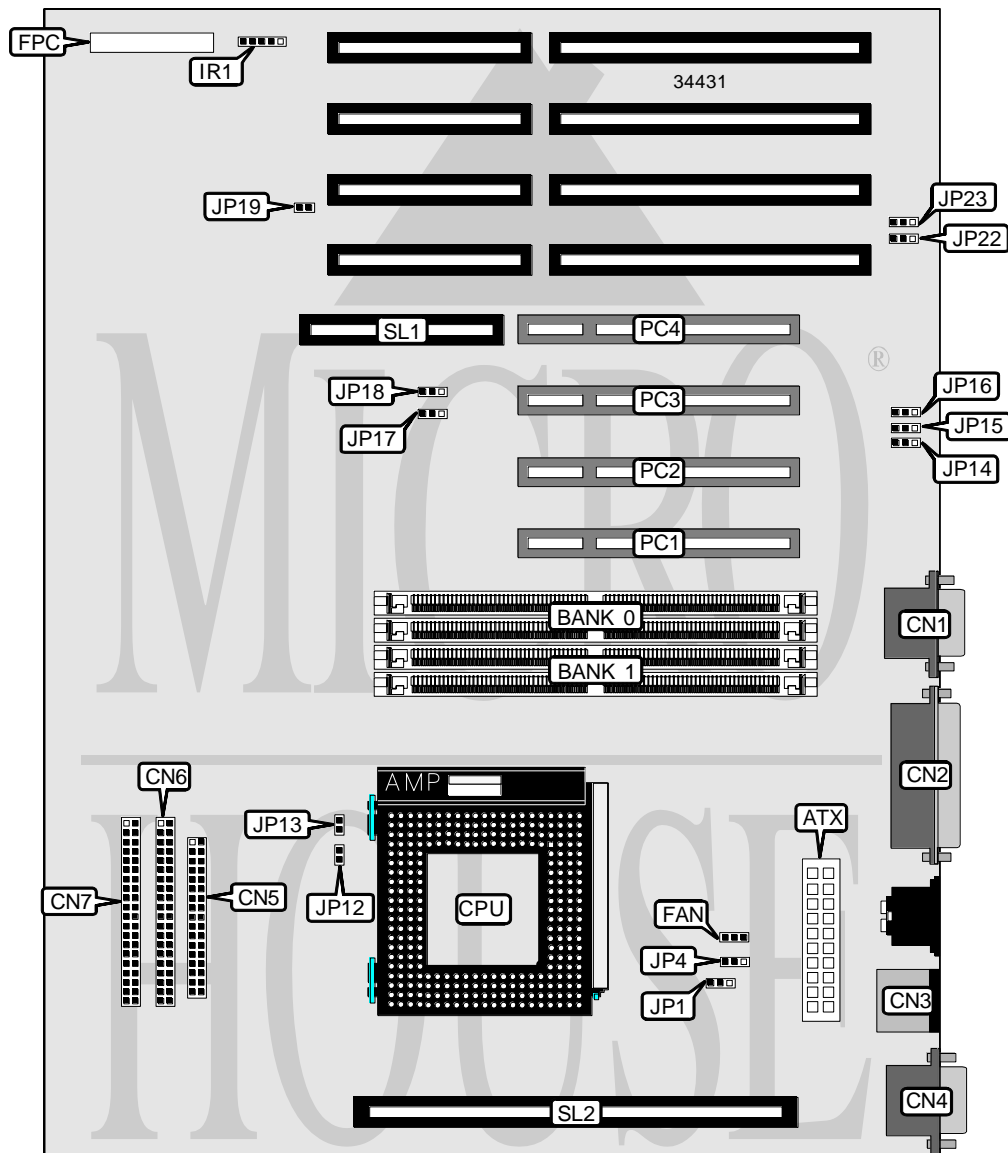
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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	IDE interface 1	CN7
Serial port	CN1	Chassis fan power	FAN
Parallel port	CN2	Front panel connector	FPC
PS/2 mouse port	CN3	IR connector	IR1
Serial port	CN4	32-bit PCI slots	PC1 – PC4
Floppy drive interface	CN5	Extended PCI slot	SL1
IDE interface 2	CN6	Cache slot	SL2

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í On board I/O enabled	JP16	Pins 1 & 2 closed
On board I/O disabled	JP16	Pins 2 & 3 closed
í CMOS memory normal operation	JP19	Open
CMOS memory clear	JP19	Closed

DRAM 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
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.		

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CACHE CONFIGURATION		
Size	**Bank 0**	**SL2**
256KB	(2) 32K x 32	Not installed
512KB	(4) 32K x 8	256KB module installed
Note: Bank 0 is factory installed and is not configurable. The location is unidentified.		

CACHE JUMPER CONFIGURATION	
Size	**JP1**
256KB	Pins 1 & 2 closed
512KB	Pins 2 & 3 closed

CPU SPEED SELECTION						
CPU speed	**Clock speed**	**Multiplier**	**JP12**	**JP13**	**JP17**	**JP18**
75MHz	50MHz	1.5x	Open	Open	2 & 3	2 & 3
90MHz	60MHz	1.5x	Open	Open	1 & 2	2 & 3
100MHz	66MHz	1.5x	Open	Open	2 & 3	1 & 2
120MHz	60MHz	2x	Open	Closed	1 & 2	2 & 3
133MHz	66MHz	2x	Open	Closed	2 & 3	1 & 2
150MHz	60MHz	2.5x	Closed	Closed	1 & 2	2 & 3
166MHz	66MHz	2.5x	Closed	Closed	2 & 3	1 & 2
180MHz	60MHz	3x	Closed	Open	1 & 2	2 & 3
200MHz	66MHz	3x	Closed	Open	2 & 3	1 & 2
Note: Pins designated should be in the closed position.						

CPU VOLTAGE SELECTION	
Voltage	**JP4**
í 3.3v – 3.465v	Pins 2 & 3 closed
3.4v – 3.6v	Pins 1 & 2 closed

DMA CHANNEL SELECTION		
Channel	**JP22**	**JP23**
1	Pins 2 & 3 closed	Pins 2 & 3 closed
í 3	Pins 1 & 2 closed	Pins 1 & 2 closed

SERIAL PORT 2 SELECTION		
Setting	**JP14**	**JP15**
í Used as COM2	Pins 1 & 2 closed	Pins 1 & 2 closed
Used as IR connector	Pins 2 & 3 closed	Pins 2 & 3 closed