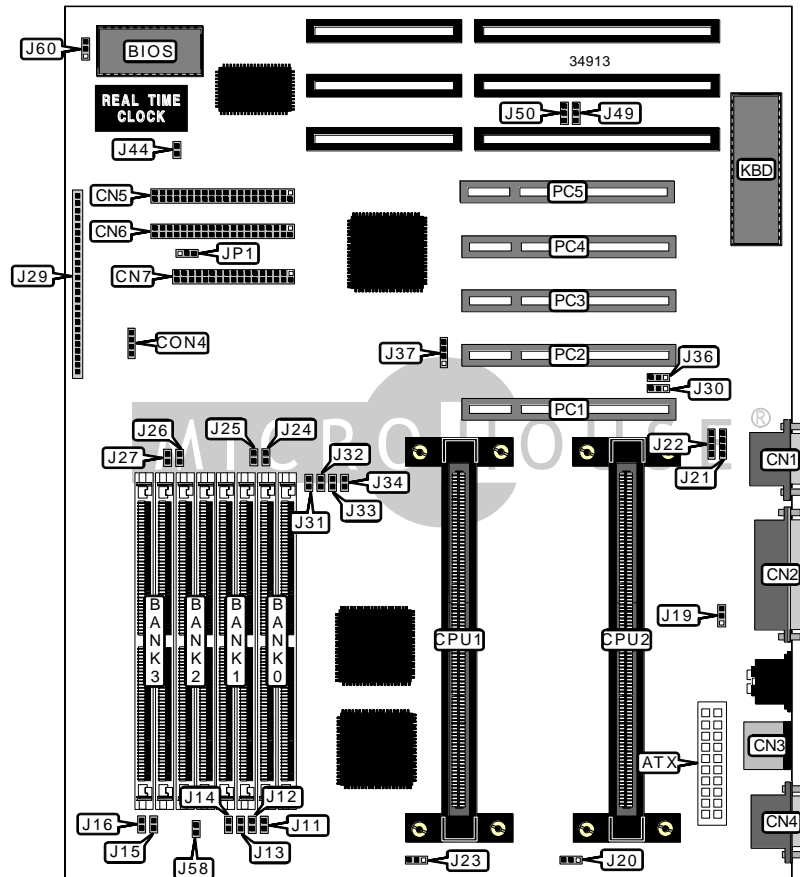


# TYAN COMPUTER CORPORATION

## S 1 6 8 2 D

<b>Device Type</b>	Mainboard
<b>Processor</b>	Pentium Pro/Pentium II
<b>Processor Speed</b>	150/166/180/200/233/266/300MHz
<b>Chip Set</b>	Intel
<b>Video Chip Set</b>	None
<b>Maximum Onboard Memory</b>	1GB (EDO supported)
<b>Maximum Video Memory</b>	None
<b>Cache</b>	256/512KB (located on Pentium Pro/Pentium II CPU)
<b>BIOS</b>	AMI, Award
<b>Dimensions</b>	305mm x 244mm
<b>I/O Options</b>	32-bit PCI slots (5), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connectors (2), USB connectors (2), ATX power connector
<b>NPU Options</b>	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	USB connector 1	J22
Serial port 1	CN1	CPU fan power	J23
Parallel port	CN2	Soft off power supply	J29/pins 1 & 2
PS/2 mouse port	CN3	IR connector	J29/pins 6 - 11
Serial port 2	CN4	IDE interface LED	J29/pins 13 - 16
IDE interface 2	CN5	Power LED	J29/pins 18 - 20
IDE interface 1	CN6	Reset switch	J29/pins 22 & 23
Floppy drive interface	CN7	Speaker	J29/pins 24 - 27
IR connector	CON4	Chassis fan power	J60
Chassis fan power	J19	Wake on LAN connector	JP1
CPU fan power	J20	32-bit PCI slots	PC1 – PC5
USB connector 2	J21		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Factory configured - do not alter	J1	Unidentified
í Factory configured - do not alter	J2	Unidentified
í Factory configured - do not alter	J3	Unidentified
í Factory configured - do not alter	J4	Unidentified
í Factory configured - do not alter	J5	Unidentified
í Factory configured - do not alter	J9	Unidentified
í Factory configured - do not alter	J35	Unidentified
í Factory configured - do not alter	J38	Unidentified
í Factory configured - do not alter	J39	Pins 2 & 3 closed
í Factory configured - do not alter	J42	Unidentified
í Factory configured - do not alter	J43	Unidentified
í CMOS memory normal operation	J44	Open
CMOS memory clear	J44	Closed
í Factory configured - do not alter	J45	Unidentified
í Factory configured - do not alter	J46	Unidentified
í Factory configured - do not alter	J47	Unidentified
í Factory configured - do not alter	J48	Unidentified
í Factory configured - do not alter	J49	Unidentified
í Factory configured - do not alter	J50	Unidentified

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<b>USER CONFIGURABLE SETTINGS (CON'T)</b>		
<b>Function</b>	<b>Label</b>	<b>Position</b>
í Factory configured - do not alter	J51	Unidentified
í Factory configured - do not alter	J52	Unidentified
í Factory configured - do not alter	J53	Unidentified
í Factory configured - do not alter	J54	Unidentified
í Factory configured - do not alter	J55	Unidentified
í Flash BIOS voltage select 5v	J56	Pins 1 & 2 closed
Flash BIOS voltage select 12v	J56	Pins 2 & 3 closed
í Factory configured - do not alter	J57	Unidentified
í Factory configured - do not alter	J58	Unidentified
Note: The location of the following jumpers are unidentified: J1-J5, J9, J35, J38, J39, J42, J43, J45-J48, J51-J55, J57, J59.		

<b>SIMM CONFIGURATION</b>				
<b>Size</b>	<b>Bank 0</b>	<b>Bank 1</b>	<b>Bank 2</b>	<b>Bank 3</b>
8MB	(2) 1M x 36	None	None	None
16MB	(2) 2M x 36	None	None	None
16MB	(2) 1M x 36	(2) 1M x 36	None	None
24MB	(2) 2M x 36	(2) 1M x 36	None	None
24MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36	None
32MB	(2) 4M x 36	None	None	None
32MB	(2) 2M x 36	(2) 2M x 36	None	None
32MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
40MB	(2) 4M x 36	(2) 1M x 36	None	None
48MB	(2) 4M x 36	(2) 2M x 36	None	None
48MB	(2) 2M x 36	(2) 2M x 36	(2) 2M x 36	None
64MB	(2) 2M x 36	(2) 2M x 36	(2) 2M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None	None	None
64MB	(2) 4M x 36	(2) 4M x 36	None	None
72MB	(2) 8M x 36	(2) 1M x 36	None	None
80MB	(2) 8M x 36	(2) 2M x 36	None	None
96MB	(2) 8M x 36	(2) 4M x 36	None	None
96MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36	None
128MB	(2) 16M x 36	None	None	None
128MB	(2) 8M x 36	(2) 8M x 36	None	None

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SIMM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
128MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36
136MB	(2) 16M x 36	(2) 1M x 36	None	None
144MB	(2) 16M x 36	(2) 2M x 36	None	None
152MB	(2) 16M x 36	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
160MB	(2) 16M x 36	(2) 4M x 36	None	None
176MB	(2) 16M x 36	(2) 2M x 36	(2) 2M x 36	(2) 2M x 36
192MB	(2) 16M x 36	(2) 8M x 36	None	None
192MB	(2) 8M x 36	(2) 8M x 36	(2) 8M x 36	None
224MB	(2) 16M x 36	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36
256MB	(2) 32M x 36	None	None	None
256MB	(2) 16M x 36	(2) 16M x 36	None	None
256MB	(2) 8M x 36	(2) 8M x 36	(2) 8M x 36	(2) 8M x 36
272MB	(2) 16M x 36	(2) 16M x 36	(2) 1M x 36	(2) 1M x 36
280MB	(2) 32M x 36	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
288MB	(2) 16M x 36	(2) 16M x 36	(2) 2M x 36	(2) 2M x 36
304MB	(2) 32M x 36	(2) 2M x 36	(2) 2M x 36	(2) 2M x 36
320MB	(2) 16M x 36	(2) 16M x 36	(2) 4M x 36	(2) 4M x 36
320MB	(2) 16M x 36	(2) 8M x 36	(2) 8M x 36	(2) 8M x 36
352MB	(2) 32M x 36	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36
384MB	(2) 16M x 36	(2) 16M x 36	(2) 16M x 36	None
448MB	(2) 32M x 36	(2) 8M x 36	(2) 8M x 36	(2) 8M x 36
512MB	(2) 32M x 36	(2) 32M x 36	None	None
512MB	(2) 16M x 36	(2) 16M x 36	(2) 16M x 36	(2) 16M x 36
640MB	(2) 32M x 36	(2) 16M x 36	(2) 16M x 36	(2) 16M x 36
768MB	(2) 32M x 36	(2) 32M x 36	(2) 32M x 36	None
1024MB	(2) 32M x 36	(2) 32M x 36	(2) 32M x 36	(2) 32M x 36

Note: Board accepts EDO memory.

SIMM VOLTAGE CONFIGURATION				
Voltage	J13	J14	J15	J16
3.3v	Closed	Closed	Open	Open
5v	Open	Open	Closed	Closed

SIMM VOLTAGE CONFIGURATION (CON'T)				
Voltage	J24	J25	J26	J27
3.3v	Closed	Closed	Open	Open
5v	Open	Open	Closed	Closed

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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	J11	J12	J31	J32
150MHz	60MHz	2.5x	Open	Open	Open	Closed
166MHz	66MHz	2.5x	Closed	Open	Open	Closed
180MHz	60MHz	3x	Open	Open	Closed	Open
200MHz	66MHz	3x	Closed	Open	Closed	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (PENTIUM PRO, CON'T)					
CPU speed	Clock speed	Multiplier	J33	J34	J37
150MHz	60MHz	2.5x	Closed	Closed	3 & 4
166MHz	66MHz	2.5x	Closed	Closed	1 & 2
180MHz	60MHz	3x	Closed	Closed	3 & 4
200MHz	66MHz	3x	Closed	Closed	1 & 2

CPU SPEED SELECTION (PENTIUM II)						
CPU speed	Clock speed	Multiplier	J11	J12	J31	J32
200MHz	66MHz	3x	Closed	Open	Closed	Open
233MHz	66MHz	3.5x	Closed	Open	Open	Open
266MHz	66MHz	4x	Closed	Open	Closed	Closed
300MHz	66MHz	4.5x	Closed	Open	Open	Closed

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (PENTIUM II, CON'T)					
CPU speed	Clock speed	Multiplier	J33	J34	J37
200MHz	66MHz	3x	Closed	Closed	1 & 2
233MHz	66MHz	3.5x	Closed	Closed	1 & 2
266MHz	66MHz	4x	Open	Closed	1 & 2
300MHz	66MHz	4.5x	Open	Closed	1 & 2

SERIAL PORT SELECTION		
Setting	J30	J36
Used as serial port	Pins 1 & 2 closed	Pins 1 & 2 closed
Used as IR connector	Pins 2 & 3 closed	Pins 2 & 3 closed