

**TYAN COMPUTER CORPORATION**

**S1573S**

**Configuration**



## CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	USB connector 1	J10
Wake on LAN connector	CON1	USB connector 2	J11
Chassis fan power	FAN1	IDE interface 2	J13
Chassis fan power	FAN2	Serial port 2	J14
Chassis fan power	FAN3	IDE interface 1	J15
IR connector	J2	Floppy drive interface	J16
Soft off power supply	J8/pins 1 & 2	Parallel port	J17
Green PC connector	J8/pins 3 & 4	PS/2 mouse port	J19
IR connector	J8/pins 6 – 11	Serial port 1	J22
IDE interface LED	J8/pins 13 & 14	Power LED & keylock	J25
Power LED	J8/pins 18 & 20	Green PC connector	J90
Reset switch	J8/pins 22 & 23	32-bit PCI slots	PC1 – PC5
Speaker	J8/pins 24 - 27		

Note: The location of CON1 is unidentified.

## USER CONFIGURABLE SETTINGS

Function	Label	Position
» Factory configured - do not alter	J30	Unidentified
» Factory configured - do not alter	J32	Unidentified
» Factory configured - do not alter	J33	Unidentified
» Factory configured - do not alter	J34	Unidentified
» Factory configured - do not alter	J35	Unidentified
Flash BIOS voltage select 12v	JP2	Pins 2 & 3 closed
Flash BIOS voltage select 5v	JP2	Pins 1 & 2 closed

### 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

### SIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2
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
Note: Board accepts EDO memory.			

<b>DIMM CONFIGURATION</b>		
Size	Bank 3	Bank 4
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

<b>DIMM CONFIGURATION (CON'T)</b>		
Size	Bank 3	Bank 4
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.		

<b>DIMM VOLTAGE CONFIGURATION</b>						
Voltage	JP18	JP19	JP20	JP21	JP27	JP28
3.3v	Open	Open	Closed	Closed	Closed	Open
5v	Closed	Closed	Open	Open	Open	Closed

<b>CACHE CONFIGURATION</b>	
Size	Bank 0
256KB	(2) 32K x 32
512KB	(2) 64K x 32

<b>CPU SPEED SELECTION (CX 6X86)</b>							
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	J23	J31
120MHz	50MHz	2x	Closed	Open	Open	1 & 2, 3 & 4	Closed
150MHz	60MHz	2x	Closed	Open	Open	1 & 2	Open
166MHz	66MHz	2x	Closed	Open	Open	Open	Open
200MHz	75MHz	2x	Closed	Open	Open	3 & 4	Open
Note: Pins designated should be in the closed position.							

<b>CPU SPEED SELECTION (CX 6X86L)</b>							
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	J23	J31
150MHz	60MHz	2x	Closed	Open	Open	1 & 2	Open

166MHz	66MHz	2x	Closed	Open	Open	Open	Open
200MHz	75MHz	2x	Closed	Open	Open	3 & 4	Open
Note: Pins designated should be in the closed position.							

<b>CPU SPEED SELECTION (CX 6X86MX)</b>							
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	J23	J31
166MHz	60MHz	2.5x	Closed	Closed	Open	1 & 2	Open
166MHz	66MHz	2x	Closed	Open	Open	Open	Open
200MHz	66MHz	2.5x	Closed	Closed	Open	Open	Open
200MHz	75MHz	2x	Closed	Open	Open	3 & 4	Open
233MHz	66MHz	3x	Open	Closed	Open	Open	Open
233MHz	75MHz	2.5x	Closed	Closed	Open	3 & 4	Open
Note: Pins designated should be in the closed position.							

<b>CPU SPEED SELECTION (IDT C6)</b>							
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	J23	J31
150MHz	50MHz	3x	Open	Closed	Open	1 & 2, 3 & 4	Closed
180MHz	60MHz	3x	Open	Closed	Open	1 & 2	Open
Note: Pins designated should be in the closed position.							

<b>CPU SPEED SELECTION (AM K5)</b>							
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	J23	J31
90MHz	60MHz	1.5x	Open	Open	Open	1 & 2	Open
100MHz	66MHz	1.5x	Open	Open	Open	Open	Open
120MHz	60MHz	2x	Closed	Open	Open	1 & 2	Open
133MHz	66MHz	2x	Closed	Open	Open	Open	Open

166MHz	66MHz	2.5x	Closed	Closed	Open	Open	Open
Note: Pins designated should be in the closed position.							

<b>CPU SPEED SELECTION (AM K6)</b>							
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	J23	J31
166MHz	66MHz	2.5x	Closed	Closed	Open	Open	Open
200MHz	66MHz	3x	Open	Closed	Open	Open	Open
233MHz	66MHz	3.5x	Open	Open	Open	Open	Open
Note: Pins designated should be in the closed position.							

<b>CPU SPEED SELECTION (INTEL)</b>							
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	J23	J31
75MHz	50MHz	1.5x	Open	Open	Open	1 & 2, 3 & 4	Closed
90MHz	60MHz	1.5x	Open	Open	Open	1 & 2	Open
100MHz	66MHz	1.5x	Open	Open	Open	Open	Open
120MHz	60MHz	2x	Closed	Open	Open	1 & 2	Open
133MHz	66MHz	2x	Closed	Open	Open	Open	Open
150MHz	60MHz	2.5x	Closed	Closed	Open	1 & 2	Open
166MHz	66MHz	2.5x	Closed	Closed	Open	Open	Open
200MHz	66MHz	3x	Open	Closed	Open	Open	Open
Note: Pins designated should be in the closed position.							

<b>CPU SPEED SELECTION (INTEL MMX)</b>							
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	J23	J31
166MHz	66MHz	2.5x	Closed	Closed	Open	Open	Open
200MHz	66MHz	3x	Open	Closed	Open	Open	Open



233MHz	66MHz	3.5x	Open	Open	Open	Open	Open
Note: Pins designated should be in the closed position.							

<b>CPU TYPE SELECTION</b>			
Type	JP24	JP25	JP26
AM K5	Open	Open	Open
AM K6	Closed	Closed	Closed
CX 6X86	Open	Open	Open
CX 6X86L	Closed	Closed	Closed
CX 6X86MX	Closed	Closed	Closed
Pentium	Open	Open	Open
IDT C6	Open	Open	Open
Pentium MMX	Closed	Closed	Closed
Note: JP26 may not be present on all boards.			

<b>CPU VOLTAGE SELECTION</b>				
Voltage	VID1	VID2	VID3	VID4
2.0v	Open	Open	Open	Open
2.1v	Closed	Open	Open	Open
2.2v	Open	Closed	Open	Open
2.3v	Closed	Closed	Open	Open
2.4v	Open	Open	Closed	Open
2.5v	Closed	Open	Closed	Open
2.6v	Open	Closed	Closed	Open
2.7v	Closed	Closed	Closed	Open
2.8v	Open	Open	Open	Closed

2.9v	Closed	Open	Open	Closed
3.0v	Open	Closed	Open	Closed
3.1v	Closed	Closed	Open	Closed
3.2v	Open	Open	Closed	Closed
3.3v	Closed	Open	Closed	Closed
3.4v	Open	Closed	Closed	Closed
3.5v	Closed	Closed	Closed	Closed

### IR SELECTION

Setting	JP15	JP16
IR connector	Pins 2 & 3 closed	Pins 2 & 3 closed
COM port	Pins 1 & 2 closed	Pins 1 & 2 closed