

TYAN COMPUTER CORPORATION
S1576S

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CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	Green PC connector	J8/pins 3 & 4
IDE interface 2	CN1	IR connector	J8/pins 6 - 11
IDE interface 1	CN2	IDE interface LED 1	J8/pins 13 & 14
Floppy drive interface	CN3	IDE interface LED 2	J8/pins 15 & 16
USB connector 1	CN4	Power LED	J8/pins 18 & 20
USB connector 2	CN5	Reset switch	J8/pins 22 & 23
Game port	CN6	Speaker	J8/pins 24 - 27
Wake on LAN connector	CON1	Serial port 1	J14
Chassis fan power	FAN1	Parallel port	J17
Chassis fan power	FAN2	PS/2 mouse port	J19
Chassis fan power	FAN3	Serial port 2	J22
IR connector	J2	32-bit PCI slots	PC1 - PC5
Soft off power supply	J8/pins 1 & 2		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Factory configured - do not alter	CDI1	Unidentified
í Factory configured - do not alter	J25	Unidentified
í Factory configured - do not alter	J26	Unidentified
í Factory configured - do not alter	J27	Unidentified
í CMOS memory normal operation	JP1	Pins 1 & 2 closed
CMOS memory clear	JP1	Pins 2 & 3 closed
Flash BIOS voltage select 12v	JP2	Pins 2 & 3 closed
Flash BIOS voltage select 5v	JP2	Pins 1 & 2 closed
í Factory configured - do not alter	JP22	Unidentified
í Factory configured - do not alter	JP23	Unidentified

DIMM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
8MB	(1) 1M x 64	None	None
16MB	(1) 2M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64

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DIMM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64	None
40MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
56MB	(1) 4M x 64	(1) 2M x 64	(1) 1M x 64
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64	None
72MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
104MB	(1) 8M x 64	(1) 4M x 64	(1) 1M x 64
112MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64	None
136MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64	None
144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
152MB	(1) 16M x 64	(1) 2M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None

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DIMM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
160MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
168MB	(1) 16M x 64	(1) 4M x 64	(1) 1M x 64
176MB	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
200MB	(1) 16M x 64	(1) 8M x 64	(1) 1M x 64
208MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64

Note: Board accepts EDO & SDRAM memory.

DIMM VOLTAGE CONFIGURATION				
Voltage	DIM31	DIM32	DIM51	DIM52
3.3v	Closed	Closed	Open	Open
5v	Open	Open	Closed	Closed

CACHE CONFIGURATION	
Size	Bank 0
512KB	(2) 64K x 32

CPU SPEED SELECTION (CX 6X86)								
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	FS0	FS1	FS2
120MHz	50MHz	2x	Closed	Open	Open	Closed	Closed	Closed
150MHz	60MHz	2x	Closed	Open	Open	Closed	Open	Open
166MHz	66MHz	2x	Closed	Open	Open	Open	Open	Open
200MHz	75MHz	2x	Closed	Open	Open	Open	Closed	Open

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CPU SPEED SELECTION (CX 6X86L)								
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	FS0	FS1	FS2
150MHz	60MHz	2x	Closed	Open	Open	Closed	Open	Open
166MHz	66MHz	2x	Closed	Open	Open	Open	Open	Open
200MHz	75MHz	2x	Closed	Open	Open	Open	Closed	Open

CPU SPEED SELECTION (CX 6X86MX)								
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	FS0	FS1	FS2
166MHz	60MHz	2.5x	Closed	Closed	Open	Closed	Open	Open
166MHz	66MHz	2x	Closed	Open	Open	Open	Open	Open
200MHz	66MHz	2.5x	Closed	Closed	Open	Open	Open	Open
200MHz	75MHz	2x	Closed	Open	Open	Open	Closed	Open
233MHz	66MHz	3x	Open	Closed	Open	Open	Open	Open
233MHz	75MHz	2.5x	Closed	Closed	Open	Open	Closed	Open

CPU SPEED SELECTION (AM K5)								
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	FS0	FS1	FS2
90MHz	60MHz	1.5x	Open	Open	Open	Closed	Open	Open
100MHz	66MHz	1.5x	Open	Open	Open	Open	Open	Open
120MHz	60MHz	2x	Closed	Open	Open	Closed	Open	Open
133MHz	66MHz	2x	Closed	Open	Open	Open	Open	Open
166MHz	66MHz	2.5x	Closed	Closed	Open	Open	Open	Open

CPU SPEED SELECTION (AM K6)								
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	FS0	FS1	FS2
166MHz	66MHz	2.5x	Closed	Closed	Open	Open	Open	Open
200MHz	66MHz	3x	Open	Closed	Open	Open	Open	Open
233MHz	66MHz	3.5x	Open	Open	Open	Open	Open	Open

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CPU SPEED SELECTION (INTEL)								
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	FS0	FS1	FS2
75MHz	50MHz	1.5x	Open	Open	Open	Closed	Closed	Closed
90MHz	60MHz	1.5x	Open	Open	Open	Closed	Open	Open
100MHz	66MHz	1.5x	Open	Open	Open	Open	Open	Open
120MHz	60MHz	2x	Closed	Open	Open	Closed	Open	Open
133MHz	66MHz	2x	Closed	Open	Open	Open	Open	Open
150MHz	60MHz	2.5x	Closed	Closed	Open	Closed	Open	Open
166MHz	66MHz	2.5x	Closed	Closed	Open	Open	Open	Open
200MHz	66MHz	3x	Open	Closed	Open	Open	Open	Open

CPU SPEED SELECTION (INTEL MMX)								
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	FS0	FS1	FS2
166MHz	66MHz	2.5x	Closed	Closed	Open	Open	Open	Open
200MHz	66MHz	3x	Open	Closed	Open	Open	Open	Open
233MHz	66MHz	3.5x	Open	Open	Open	Open	Open	Open

CPU TYPE SELECTION		
Type	VC1	VC2
AM K5	Open	Open
AM K6	Closed	Closed
CX 6X86	Open	Open
CX 6X86L	Closed	Closed
CX 6X86MX	Closed	Closed
P54C	Open	Open
P55C	Closed	Closed

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CPU VOLTAGE SELECTION				
Voltage	VID0	VID1	VID2	VID3
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

SERIAL PORT SELECTION		
Setting	JP15	JP16
Used as serial port	Pins 1 & 2 closed	Pins 1 & 2 closed
Used as IR port	Pins 2 & 3 closed	Pins 2 & 3 closed