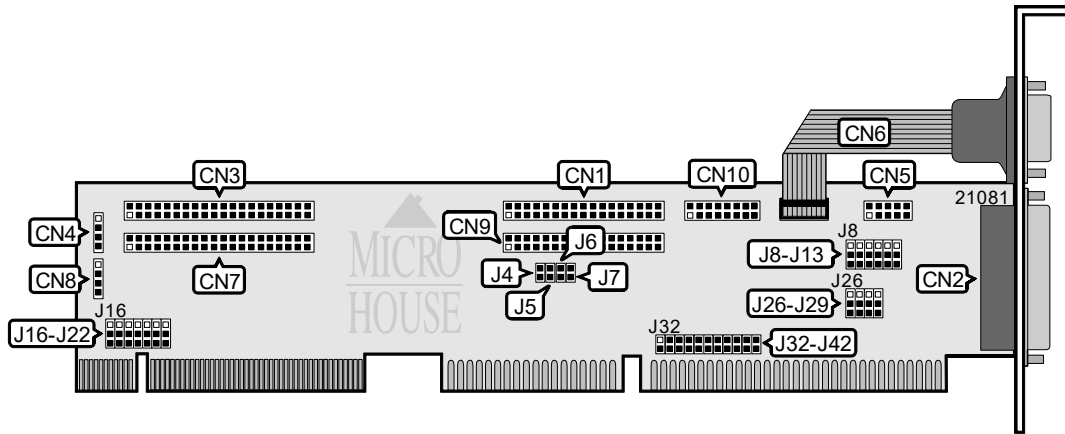


TYAN COMPUTER CORPORATION

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Data Bus
 Card Size
 Hard Drives supported
 Floppy drives supported

32-bit VESA Local Bus
 Three-quarter length, Half-height card
 Four IDE (AT) drives
 Two 360KB, 720KB, 1.2MB, or 1.44MB drives



CONNECTIONS			
Function	Location	Function	Location
34-pin cable connector - floppy drive 1	CN1	9-pin serial port 1 - external	CN6
25-pin parallel port - external	CN2	40-pin secondary IDE(AT) connector	CN7
40-pin primary IDE(AT) connector	CN3	4-pin connector - secondary drive active LED	CN8
4-pin connector - primary drive active LED	CN4	34-pin cable connector - floppy drive 2	CN9
10-pin serial port 2 - internal	CN5	16-pin game port - internal	CN10

USER CONFIGURABLE SETTINGS			
Function	Label	Position	
i I/O Channel Ready signal disabled	J7	Open	
I/O Channel Ready signal enabled	J7	Closed	
i Floppy drive enabled	J8	Pins 2 & 3 closed	
Floppy drive disabled	J8	Pins 1 & 2 closed	
i Floppy drive normal compatible mode	J16	Pins 2 & 3 closed	
Floppy drive enhanced mode	J16	Pins 1 & 2 closed	
i VL IDE enabled	J17	Pins 2 & 3 closed	
VL IDE disabled	J17	Pins 1 & 2 closed	
i Floppy drive port address is 3F0-3F7h	J26	Pins 2 & 3 closed	
Floppy drive port address is 370-377h	J26	Pins 1 & 2 closed	
i Game Port enabled	J37	Closed	
Game Port disabled	J37	Open	

FLOPPY DRIVE CHANNEL SELECTION			
Function	J4	J5	J6
i Primary channel, two floppy-drives enable	Open	Open	Open
Two channel, four floppy drives enabled	Closed	Closed	Closed

Note: Four floppy drive support is mutually exclusive with the parallel port special features.

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PARALLEL PORT ADDRESS SELECTION		
Setting	J9	J27
ı LPT1	Pins 2 & 3 closed	Pins 2 & 3 closed
LPT2	Pins 2 & 3 closed	Pins 1 & 2 closed
LPT3	Pins 1 & 2 closed	Pins 1 & 2 closed
Disabled	Pins 1 & 2 closed	Pins 2 & 3 closed

SERIAL PORT 1 ADDRESS SELECTION		
Setting	J10	J11
ı COM1	Pins 2 & 3 closed	Pins 2 & 3 closed
COM2	Pins 2 & 3 closed	Pins 1 & 2 closed
COM3	Pins 1 & 2 closed	Pins 2 & 3 closed
Disabled	Pins 1 & 2 closed	Pins 1 & 2 closed

SERIAL PORT 2 ADDRESS SELECTION		
Setting	J12	J13
COM1	Pins 2 & 3 closed	Pins 1 & 2 closed
ı COM2	Pins 2 & 3 closed	Pins 2 & 3 closed
COM4	Pins 1 & 2 closed	Pins 2 & 3 closed
Disabled	Pins 1 & 2 closed	Pins 1 & 2 closed

HARD DRIVE PORT ADDRESS SELECTION		
Setting	J18	J19
Primary & Secondary IDE active	Pins 1 & 2 closed	Pins 2 & 3 closed
ı Primary IDE address is 1F0h	Pins 2 & 3 closed	Pins 2 & 3 closed
Primary IDE address is 170h	Pins 2 & 3 closed	Pins 1 & 2 closed

HARD DRIVE WAIT STATE SELECTION			
Address	J20	J21	J22
VL Bus speed <33MHz	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
VL Bus speed >33MHz	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
ı Any VL Bus speed	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed

PARALLEL PORT MODE SELECTION		
Setting	J28	J29
Enhanced Parallel Port (EPP)	Pins 1 & 2 closed	Pins 2 & 3 closed
Extended Capacity Port (ECP)	Pins 2 & 3 closed	Pins 1 & 2 closed
ECP & EPP	Pins 1 & 2 closed	Pins 1 & 2 closed
ı Standard	Pins 2 & 3 closed	Pins 2 & 3 closed

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SERIAL PORT INTERRUPT SELECTION					
Port 1	Port 2	J32	J33	J34	J35
IRQ4	i IRQ3	Open	Closed	Closed	Open
IRQ4	none	Open	Closed	Open	Open
none	IRQ3	Open	Open	Closed	Open
IRQ3	IRQ4	Open	J33/pin1 to J34/pin1 J33/pin2 to J34/pin2		Open
IRQ5	IRQ3	Open	J33/pin1 to J34/pin1		Open
no IRQ3	IRQ4	Open	J33/pin2 to J34/pin2		Open
IRQ5	IRQ3	Open	Closed	J34/pin2 to J35/pin2	
IRQ5	no IRQ3	Open	Open	J34/pin2 to J35/pin2	
IRQ4	IRQ5	J32/pin2 to J33/pin2		Closed	Open
no IRQ4	IRQ5	J32/pin2 to J33/pin2		Open	Open

PARALLEL PORT INTERRUPT SELECTION		
IRQ	J35	J36
i Parallel port interrupt is IRQ7	Open	Closed
Parallel port interrupt is IRQ5	Closed	Open
Disabled	Open	Open

DMA CHANNEL SELECTION					
Setting	J38	J39	J40	J41	J42
1	Closed	Open	Open	Closed	Closed
3	Closed	Closed	Closed	Open	Open
i Disabled	Open	Open	Open	Open	Open