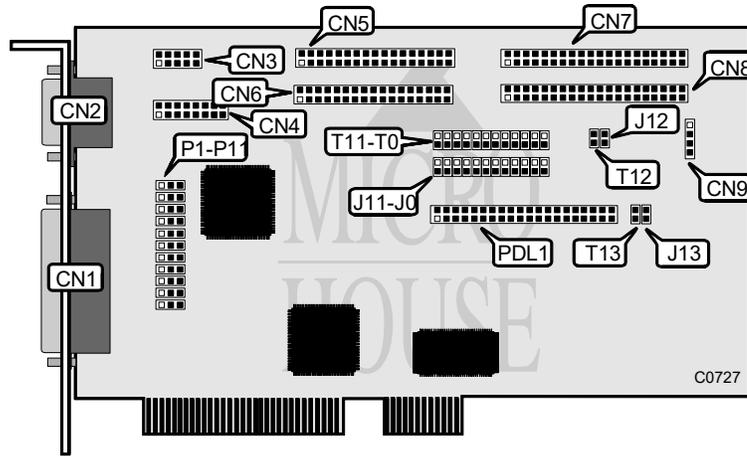


TYAN COMPUTER S1366

Q2/95

Data bus: 32-bit PCI
 Size: Half-length, full-height card
 Hard drive supported: Two IDE (AT) Interface drives
 Floppy drives supported: Two 360KB, 720KB, 1.2MB, or 1.44MB drives



CONNECTIONS	
Function	Location
25 pin parallel port - external	CN1
9 pin serial port - external	CN2
10 pin serial port - internal	CN3
16 pin game port - internal	CN4
34 pin data cable connector - primary floppy drive interface	CN5
34 pin data cable connector - secondary floppy drive interface	CN6
40 pin connector - primary IDE(AT) interface	CN7
40 pin connector - secondary IDE(AT) interface	CN8
4 pin connector - drive active LED	CN9
S136x paddle card daughterboard connector	PDL1

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USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í Factory configured - do not alter	J0	N/A
í Floppy drive interface DSKCHG signal not intercepted	J1	open
Floppy drive interface DSKCHG signal intercepted	J1	closed
í I/O address fixed	J2	closed
I/O address relocatable	J2	open
í Primary IDE(AT) channel legacy IRQ tied to IRQ14	J5	closed
No primary IDE(AT) channel legacy IRQ tied to IRQ14	J5	open
í Primary IDE(AT) legacy ISA IRQ14 not buffered	J6	open
Primary IDE(AT) legacy ISA IRQ14 buffered	J6	closed
í Secondary IDE(AT) channel legacy IRQ tied to IRQ15	J7	closed
No secondary IDE(AT) channel legacy IRQ tied to IRQ15	J7	open
í Secondary IDE(AT) legacy ISA IRQ15 not buffered	J8	open
Secondary IDE(AT) legacy ISA IRQ15 buffered	J8	closed
í IDE(AT) interrupt native mode not utilized	J9	open
IDE(AT) interrupt native mode utilized to PCI INTA	J9	closed
í Factory configured - do not alter	J10	N/A
í AT printer mode(ISA) enabled	J11	open
Normal mode enabled, floppy drive interface pin 29 grounded	J11	closed
í Floppy drive interface normal DRATE out mode select	P1	pins 2 & 3 closed
Floppy drive interface media ID input OS2 enhanced mode	P1	pins 1 & 2 closed
í Floppy drive interface I/O address 3F0h select	P2	pins 2 & 3 closed
Floppy drive interface I/O address 370h select	P2	pins 1 & 2 closed
í Floppy drive interface enabled	P3	pins 2 & 3 closed
Floppy drive interface disabled	P3	pins 1 & 2 closed
í Factory configured - do not alter	T0	N/A
í ISA AT printer mode enabled	T1	open
PS/2 bi-directional printer mode enabled	T1	closed
í Parallel port interrupt IRQ7 select	T2	closed
Parallel port interrupt disabled	T2	open
í Serial port 1 interrupt IRQ4 select	T4	closed
Serial port 1 interrupt disabled	T4	open
í Serial port 2 interrupt IRQ3 select	T5	closed
Serial port 2 interrupt disabled	T5	open
í Game port enabled	T6	closed
Game port disabled	T6	open

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PCI IDE CONFIGURATION		
Setting	J3	J4
í PCI IDE channels enabled	closed	open
PCI IDE channels disabled	open	closed

SECONDARY IDE PCI INTERRUPT CONFIGURATION		
Setting	J12	J13
í Secondary IDE interrupt not inverted(PCI bus INTB#)	open	N/A
Secondary IDE interrupt inverted(PCI bus INTB#)	N/A	closed

PRIMARY IDE PCI INTERRUPT CONFIGURATION		
Setting	T12	T13
í Primary IDE interrupt not inverted(PCI bus INTA#)	open	N/A
Primary IDE interrupt inverted(PCI bus INTA#)	N/A	closed

PARALLEL PORT I/O ADDRESS SELECT		
Address	P8	P9
í 378-37Fh	pins 2 & 3 closed	pins 2 & 3 closed
278-27Fh	pins 2 & 3 closed	pins 1 & 2 closed
3BC-3BEh	pins 1 & 2 closed	pins 1 & 2 closed
Disabled	pins 1 & 2 closed	pins 2 & 3 closed

PRIMARY SERIAL PORT I/O ADDRESS SELECT		
Address	P4	P5
í 3F8h (COM1)	pins 2 & 3 closed	pins 2 & 3 closed
2F8h (COM2)	pins 2 & 3 closed	pins 1 & 2 closed
3E8h (COM3)	pins 1 & 2 closed	pins 2 & 3 closed
Disabled	pins 1 & 2 closed	pins 1 & 2 closed

SECONDARY SERIAL PORT I/O ADDRESS SELECT		
Address	P6	P7
í 2F8h (COM2)	pins 2 & 3 closed	pins 2 & 3 closed
2E8h (COM4)	pins 1 & 2 closed	pins 2 & 3 closed
3F8h (COM1)	pins 2 & 3 closed	pins 1 & 2 closed
Disabled	pins 1 & 2 closed	pins 1 & 2 closed

PARALLEL PORT INTERRUPT SELECT		
IRQ	T2	T3
í IRQ7	closed	open
IRQ5	open	closed
Disabled	open	open

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ENHANCED PARALLEL PORT MODE CONFIGURATION		
Modes Supported	P10	P11
í PRN	pins 2 & 3 closed	pins 2 & 3 closed
PRN, EPP	pins 1 & 2 closed	pins 2 & 3 closed
PRN, ECP	pins 2 & 3 closed	pins 1 & 2 closed
PRN, ECP, EPP	pins 1 & 2 closed	pins 1 & 2 closed

ECP MODE CONFIGURATION					
Setting	T7	T8	T9	T10	T11
í ECP mode disabled	open	open	open	open	open
ECP mode w/DMA1	closed	open	closed	open	closed
ECP mode w/DMA3	open	closed	open	closed	closed

SERIAL PORT INTERRUPT SELECT				
Port 1	Port 2	T3	T4	T5
IRQ4	IRQ3	open	closed	closed
IRQ4	Disabled	open	closed	open
Disabled	IRQ3	open	open	closed
IRQ3	IRQ4	open	T4 pin 1 to T5 pin 1 T4 pin 2 to T5 pin 2	
IRQ5	IRQ3	open	T4 pin 1 to T5 pin 1	
Disabled	IRQ4	open	T4 pin 2 to T5 pin 2	
IRQ4	IRQ5	T3 pin 2 to T4 pin 2		closed
Disabled	IRQ5	T3 pin 2 to T4 pin 2		open

MISCELLANEOUS TECHNICAL NOTES
Note: In order to utilize the S1366's IDE and I/O functions, the S136x paddle card must be installed on connector PDL1