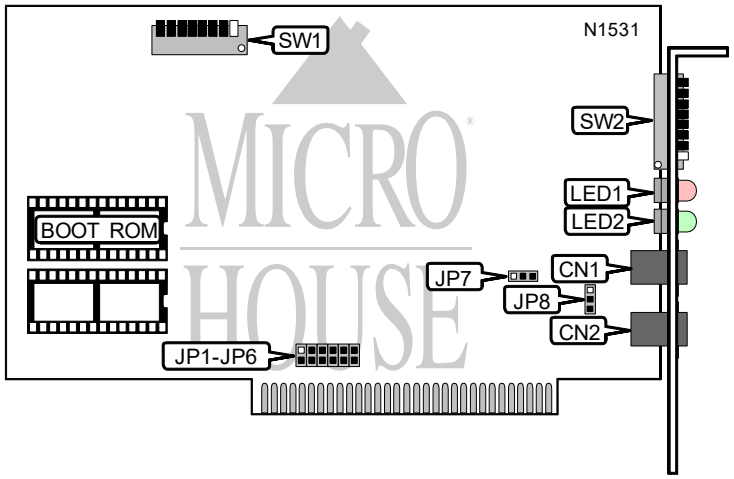
TIARA COMPUTER SYSTEMS, INC.
L A N C A R D / A * P C T P

NIC Type	ARCnet
Network Transfer Rate	2.5Mbps
Data Bus	8-bit ISA
Topology	Ring/Daisy Chain/Star
Wiring Type	Unshielded twisted pair
Boot ROM	Available



CONNECTIONS			
Function	Label	Function	Label
Unshielded twisted pair port	CN1	Unshielded twisted pair port	CN2

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Enhanced mode diagnostic disabled	JP7	Pins 1 & 2 closed
Enhanced mode diagnostic enabled	JP7	Pins 2 & 3 closed
í Terminator Resistor disabled	JP8	Pins 2 & 3 closed
Terminator Resistor enabled	JP8	Pins 1 & 2 closed

BASE I/O ADDRESS SELECTION			
Address	SW1/1	SW1/2	SW1/3
260h-26Fh	Off	Off	Off
290h-29Fh	Off	Off	On
2B0h-2BFh	Off	On	On
í 2E0h-2EFh	Off	On	Off
300h-30Fh	On	Off	Off
350h-35Fh	On	Off	On
380h-38Fh	On	On	Off
3E0h-3EFh	On	On	On

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INTERRUPT SELECTION						
IRQ	JP1	JP2	JP3	JP4	JP5	JP6
í 2	Closed	Open	Open	Open	Open	Open
3	Open	Closed	Open	Open	Open	Open
4	Open	Open	Closed	Open	Open	Open
5	Open	Open	Open	Closed	Open	Open
6	Open	Open	Open	Open	Closed	Open
7	Open	Open	Open	Open	Open	Closed

NODE ADDRESS								
Node	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6	SW2/7	SW2/8
1	Off	Off	Off	Off	Off	Off	Off	On
2	Off	Off	Off	Off	Off	Off	On	Off
3	Off	Off	Off	Off	Off	Off	On	On
4	Off	Off	Off	Off	Off	On	Off	Off
5	Off	Off	Off	Off	Off	On	Off	On
251	On	On	On	On	On	Off	On	On
252	On	On	On	On	On	On	Off	Off
253	On	On	On	On	On	On	Off	On
254	On	On	On	On	On	On	On	Off
255	On	On	On	On	On	On	On	On

Note: A total of 255 node address settings are available. The switches are a binary representation of the decimal node addresses. Switch 8 is the Least Significant Bit and switch 1 is the Most Significant Bit. The switches have the following decimal values: switch 8=1, 7=2, 6=4, 5=8, 4=16, 3=32, 2=64, 1=128. Turn on the switches and add the values of the on switches to obtain the correct node address. (On=1, Off=0)

ROM ADDRESS SELECTION			
Address	SW1/4	SW1/5	SW1/6
C0000h-C3FFFh	Off	Off	Off
C4000h-C7FFFh	Off	Off	On
CC000h-CFFFFh	Off	On	On
í D0000h-D3FFFh	On	Off	Off
D4000h-D7FFFh	On	Off	On
D8000h-DBFFFh	On	On	Off
DC000h-DFFFFh	On	On	On
E0000h-E3FFFh	Off	On	Off

CABLE LENGTH AND RESPONSE/RECONFIGURATION TIMEOUTS				
Maximum Length	Response Time	Reconfiguration Time	SW1/7	SW1/8
í 4.8 miles	74.4 µs	840ms	On	On
21.0 miles	283.4 µs	1680ms	On	Off
42.5 miles	561.8 µs	1680ms	Off	On
85.6 miles	1118.6 µs	1680ms	Off	Off

Note: Maximum length is the distance between the two farthest cards on the network. All cards on a segment must have this option set the same.

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DIAGNOSTIC LED(S)			
LED	Color	Status	Condition
LED1	Red	On	Data is being received
LED1	Red	Blinking	Reconfiguring network
LED1	Red	Off	Data is not being received
LED2	Green	On	Data is being transmitted
LED2	Green	Blinking	Reconfiguring network
LED2	Green	Off	Data is not being transmitted
Note: If blinking persists it indicates a network problem.			

TECHNICAL NOTE
Note: The last node of the chain needs to be terminated.