TIARA COMPUTER SYSTEMS, INC.
LanCard/A * PC & LanCard/A * PC HiZ

NIC Type	ARCnet
Transfer Rate	2.5Mbps
Data Bus	8-bit ISA
Topology	Star (PC)
	Linear Bus (PC HiZ)
Wiring Type	RG-62A/U 93ohm coaxial (PC and PC HiZ)
	RG-58A/U 50ohm coaxial (HiZ only)
Boot ROM	Available
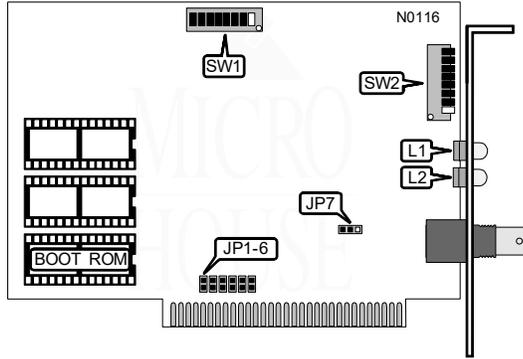
NODE ADDRESS								
Node	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6	SW2/7	SW2/8
0	-	-	-	-	-	-	-	-
1	Off	Off	Off	Off	Off	Off	Off	On
2	Off	Off	Off	Off	Off	Off	On	Off
3	Off	Off	Off	Off	Off	Off	On	On
4	Off	Off	Off	Off	Off	On	Off	Off
251	On	On	On	On	On	Off	On	On
252	On	On	On	On	On	On	Off	Off
253	On	On	On	On	On	On	Off	On
254	On	On	On	On	On	On	On	Off
255	On	On	On	On	On	On	On	On

Note: Node address 0 is used for messaging between nodes and must not be used.

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)

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INTERRUPT REQUEST						
IRQ	JP1	JP2	JP3	JP4	JP5	JP6
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

ENHANCED DIAGNOSTICS ENABLE	
Setting	JP7
íDisabled	Pins 1 & 2 closed
Enabled	Pins 2 & 3 closed
Note: The enhanced diagnostics are compatable only with the dirver that was shipped with this card.	

I/O BASE ADDRESS			
Address	SW1/1	SW1/2	SW1/3
í2E0h	Off	On	Off
260h	Off	Off	Off
290h	Off	Off	On
2B0h	Off	On	On
300h	On	Off	Off
350h	On	Off	On
380h	On	On	On
3E0h	On	On	On

RIM BUFFER ADDRESS CONFIGURATION			
Buffer Address	SW1/4	SW1/5	SW1/6
íD0OO-D3FFH	On	Off	Off
C0OO-C3FFH	Off	Off	Off
C4OO-C7FFH	Off	Off	On
CCOO-CFFFH	Off	On	On
D4OO-D7FFH	On	Off	On
D8OO-DBFFH	On	On	Off
DCOO-DFFFH	On	On	On
E000-E3FFH	Off	On	Off
Note: The lower 8K of the address above is used as a network data buffer. The upper 8K is where the Boot ROM is loaded into system memory.			

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CABLE LENGTH AND RESPONSE/RECONFIGURATION TIMEOUTS				
Maximum Length	Response Time	Reconfiguration	SW1/7	SW1/8
14.8 miles	74.7µs	840ms	On	On
21.0 miles	283.4µs	1680ms	On	Off
42.5 miles	561.8µs	1680ms	Off	On
85.6 miles	1118.6µs	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.				

DIAGNOSTIC LED(S)			
LED	Color	Status	Condition
L1	Red	On	Data is being received
L1	Red	Off	Data is not being received
L1	Red	Blinking	Card is reconfiguring
L2	Green	On	Data is being transmitted
L2	Green	Off	Data is not being transmitted
L2	Green	Blinking	Card is reconfiguring
Note: If LEDs L1 & L2 continue to blink for an extended amount of time, this indicates a network problem such as a defective card, a broken network connection, or a hub failure.			