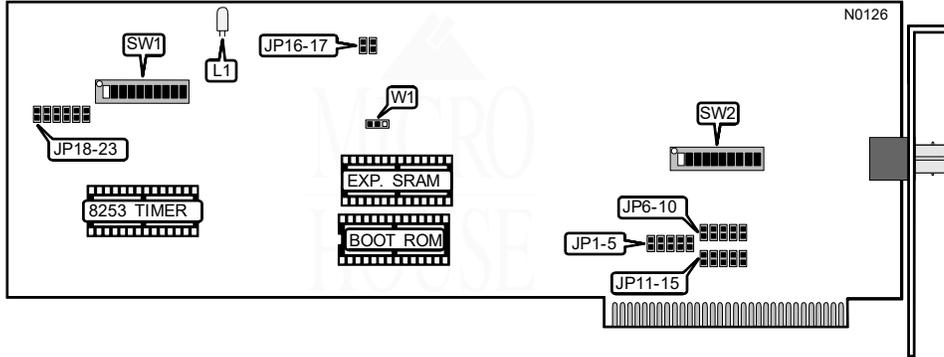


TIARA COMPUTER SYSTEMS, INC.

LanCard/A FO

**NIC Type** ARCnet  
**Transfer Rate** 2.5Mbps  
**Data Bus** 8-bit ISA  
**Topology** Linear Bus  
**Wiring Type** 200µ Fiber optic cable  
**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	On						
2	On	On	On	On	On	On	Off	On
3	On	On	On	On	On	On	Off	Off
4	On	On	On	On	On	Off	On	On
251	Off	Off	Off	Off	Off	On	Off	Off
252	Off	Off	Off	Off	Off	Off	On	On
253	Off	Off	Off	Off	Off	Off	On	Off
254	Off	On						
255	Off							

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 1 is the Least Significant Bit and switch 8 is the Most Significant Bit. The switches have the following decimal values: switch 1=1, 2=2, 3=4, 4=8, 5=16, 6=32, 7=64, 8=128. Turn off the switches and add the values of the off switches to obtain the correct node address. (On=0, off=1)

DIAGNOSTIC LED(S)		
LED	Status	Condition
L1	On	Card is passing the token
L1	Blinking	Card is reconfiguring
L1	Off	Card is resetting or inoperative

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I/O BASE ADDRESS						
Address	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
12E0h	Off	On	Off	Off	Off	On
160h	On	Off	On	Off	Off	On
1E0h	On	Off	Off	Off	Off	On
260h	Off	On	On	Off	Off	On
360h	Off	Off	On	Off	Off	On
3E0h	Off	Off	Off	Off	Off	On

Note: Some examples of possible settings are shown. The switches are a binary representation of the hexadecimal I/O addresses. Switch 6 is the Least Significant Bit and switch 1 is the Most Significant Bit. The switches have the following decimal values: switch 6=1h, 5=2h, 4=4h, 3=8h, 2=10h, 1=20h. Turn off the switches, add the values of the off switches, and multiply the total by 10h to obtain the correct I/O address. (On=0, Off=1)

BOOT CONFIGURATION		
Setting	SW2/9	SW2/10
Boot from network, ignore bootable floppy or hard drives	On	On
Try to boot from floppy drive A, then the network	On	Off
Try to boot from hard drive C, then the network	Off	Off
Try to boot from floppy drive A, then from hard drive C, then the network	Off	On

INTERRUPT REQUEST					
IRQ	JP1	JP2	JP3	JP4	JP5
2	Open	Open	Open	Open	Closed
3	Open	Open	Open	Closed	Open
4	Open	Open	Closed	Open	Open
5	Open	Closed	Open	Open	Open
7	Closed	Open	Open	Open	Open

OPTIONAL 8253 TIMER INTERRUPT REQUEST										
IRQ	JP6	JP7	JP8	JP9	JP10	JP11	JP12	JP13	JP14	JP15
2	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Closed
3	Open	Open	Open	Closed	Open	Open	Open	Open	Closed	Open
4	Open	Open	Closed	Open	Open	Open	Open	Closed	Open	Open
5	Open	Closed	Open	Open	Open	Open	Closed	Open	Open	Open
7	Closed	Open	Open	Open	Open	Closed	Open	Open	Open	Open

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RESPONSE/RECONFIGURATION TIMEOUTS			
Response Time	Reconfiguration Time	JP16	JP17
174.7µs	840µs	Open	Open
283.4µs	1680µs	Open	Closed
561.8µs	1680µs	Closed	Open
1118.6µs	1680µs	Closed	Closed

Note: All NICs on the network must have this option set the same.

RIM BUFFER, BOOT ROM, AND EXPANSION RAM ADDRESS CONFIGURATION				
Address	SW1/7	SW1/8	SW1/9	SW1/10
Cxxxh	On	On	Off	Off
Dxxxh	On	On	Off	On
Exxxh	On	On	On	On

Note: This table represents the first digit of three separate addresses, the rim buffer address, the boot ROM address, and expansion RAM address. The four x variables are configured for the three different addresses in the next three tables.

BOOT ROM ADDRESS CONFIGURATION			
Address	JP18	JP19	JP20
ix8000h	Open	Closed	Open
Disabled	Open	Open	Open
x4000h	Closed	Open	Open
xC000h	Open	Open	Closed

EXPANSION SRAM CONFIGURATION			
Size	Address	JP21	W1
Disabled	Disabled	Open	N/A
2K x 8 (24pin)	x4000h	Closed	Pins 2 & 3 closed
8K x 8 (28pin)	x4000h	Closed	Pins 1 & 2 closed

Note: The manufacturer suggests the use of Hitachi 6116 2K x 8 SRAM or Hitachi 6264 8K x 8 SRAM chips. Most network software packages do not currently support the extra expansion memory.

RAM BUFFER ADDRESS CONFIGURATION		
Address	JP22	JP23
ix0000h	Open	Closed
x4000h	Closed	Open

Note: The RAM Buffer cannot be disabled.