The Retro Web XI221S, XI221B Xinetron Network Card Instructions

Contents

The Retro Web XI221S, XI221B Xinetron Network Card

Specifications

NIC Type	Transfer Rate	Data Bus	Topology	Wiring Type	Boot ROM
ARCnet	2.5Mbps	16-bit ISA	Star	Linear bus RG-62A/U 93ohm coaxial	Available

Product Usage Instructions

Jumper Settings

Response and Reconfiguration Timeouts

- **Response Time:** 840ms
- **Ide Time:** Open
- **Reconfiguration Time:** 285s to 1237s (various settings)

Interrupt Request

IRQ	JP5A
3	Closed

Node Address Configuration
Node addresses are set using switches SW2/1 to SW2/8. Refer to the table in the manual to determine the correct node address based on the switch positions.

I/O Base Address and Memory Address Configuration
Configure the I/O base address and boot ROM address using switches SW1/1 to SW1/10. Follow the instructions in the manual to set these addresses correctly.

Diagnostic LED Indicators

Status

- **Blinking:** Card is not connected to the network.
- **Flashing:** Normal operation, data is being transmitted/received.

Frequently Asked Questions (FAQ)

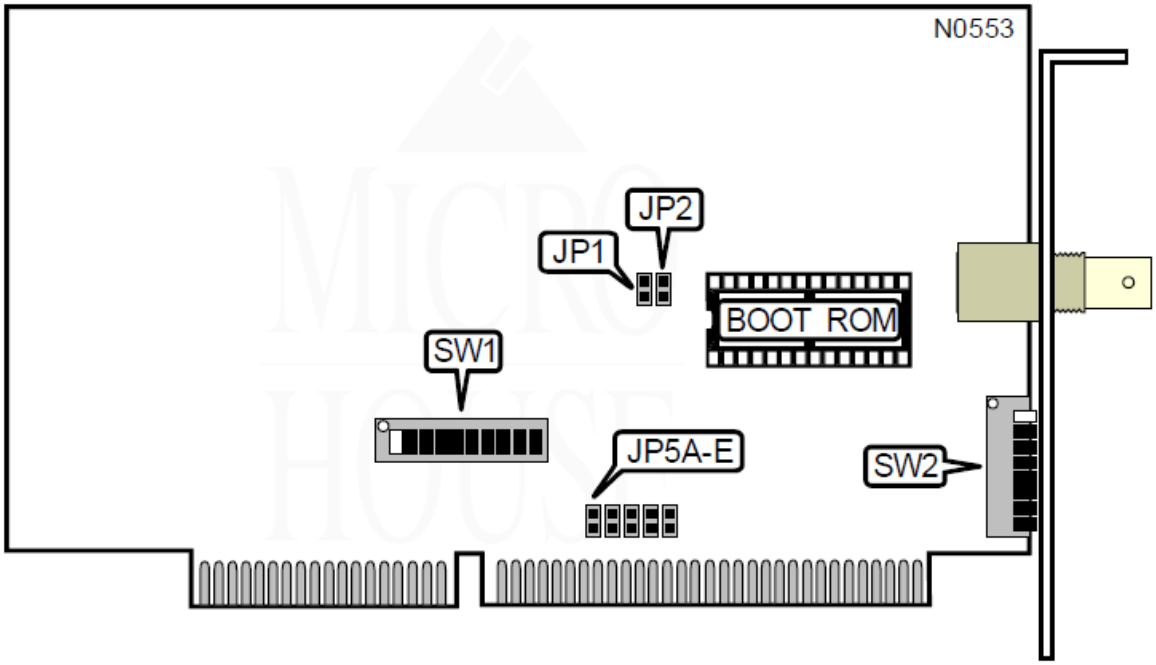
- **Q: How do I know if my NIC is connected to the network?**
  - A: Check the diagnostic LED indicators. If the LED is blinking, it means the card is not connected to the network.
- **Q: How many node address settings are available?**
  - A: A total of 255 node address settings are available, with Node address 0 reserved for messaging between nodes.
- **Q: What should I do if I need to change the IRQ settings?**
  - A: Refer to the manual for instructions on changing IRQ settings using jumper JP5A.

THE NETWORK INTERFACE CARD

TECHNICAL GUIDE

XINETRON, INC.
X I 2 2 1 S / X I 2 2 1 B

- **NIC Type** ARCnet
- **Transfer Rate** 2.5Mbps
- **Data Bus** 16-bit ISA
- **Topology** Star Linear bus
- **Wiring Type** RG-62A/U 93ohm coaxial
- **Boot ROM** Available



	NODE ADDRESS							
Node	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6	SW2/7	SW2/8
0	–	–	–	–	–	–	–	–
1	On	On	On	On	On	On	On	Off
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	Off	Off	Off	Off	Off	Off	On
255	Off	Off	Off	Off	Off	Off	Off	Off

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

A total of 255 node address settings are available. The switches are a binary repr ise decimal node addresses. Switch 8 is the Least Significant Bit and switch 1 is t he Most The switches have the following decimal values: switch 1=128, 2=64, 3= 32, 4=16, 5=8, 6 Turn off the switches and add the values of the off switches to obtain the correct node ad Off=1)

notation of the Significant Bi t.

=4, 7=2, 8=1. dress. (On=0,

RESPONSE AND RECONFIGURATION TIMEOUTS				
Response Time	Ide Time	Reconfiguration Time	JP1	JP2
í78ms	í86ms	840ms	Open	Open
285ms	316ms	1680ms	Open	Closed
563ms	624ms	1680ms	Closed	Open
1130ms	1237ms	1680ms	Closed	Closed
Note: All NICs on the network segment must have this option set the same.				

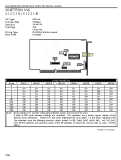
INTERRUPT REQUEST					
IRQ	JP5A	JP5A	JP5A	JP5A	JP5A
í2	Closed	Open	Open	Open	Open
3	Open	Closed	Open	Open	Open
4	Open	Open	Closed	Open	Open
5	Open	Open	Open	Closed	Open
7	Open	Open	Open	Open	Closed

I/O BASE ADDRESS						
Address	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
260-26Fh	Off	On	On	Off	Off	On
290-29Fh	Off	On	Off	On	On	Off
í2E0-2EFh	Off	On	Off	Off	Off	On
2F0-2FFh	Off	On	Off	Off	Off	Off
300-30Fh	Off	Off	On	On	On	On
350-35Fh	Off	Off	On	Off	On	Off
380-38Fh	Off	Off	Off	On	On	On
3E0-3EFh	Off	Off	Off	Off	Off	On

BASE MEMORY ADDRESS AND BOOT ROM ADDRESS					
Base Address	Boot ROM Address	SW1/7	SW1/8	SW1/9	SW1/10
C0000-C07FFh	C2000-C3FFFh	Off	Off	On	On
íD0000-D07FFh	D2000-D3FFFh	Off	Off	On	Off
E0000-E07FFh	E2000-E3FFFh	Off	Off	Off	On

DIAGNOSTIC LED			
LED	Color	Status	Condition
LED1	Yellow	Blinking	Card is not connected to network
LED1	Yellow	On	Normal operation
LED1	Yellow	Flashing	Data is being transmitted/received
Note: Location of LED1 is unknown.			

Documents / Resources

	The Retro Web XI221S, XI221B Xinetron Network Card [pdf] Instructions XI221S, XI221B, XI221S XI221B Xinetron Network Card, XI221S Xinetron Network Card, XI221B Xinetron Network Card, Xinetron Network Card, Xinetron Card, Network Card, Xinetron, Card

References

- User Manual