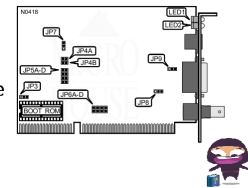The Retro Web XI321TCN
XINETRON Network Interface
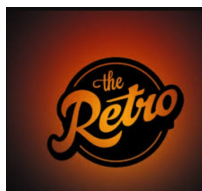
# The Retro Web XI321TCN XINETRON Network Interface Card Instructions
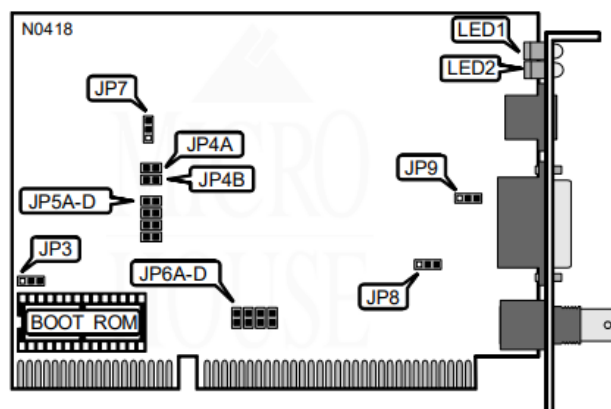
**Contents**

**The Retro Web XI321TCN XINETRON Network Interface**

**Product Specifications**

- **NIC Type:** Ethernet

- **Transfer Rate:** 10Mbps
- **Data Bus:** 16-bit ISA
- **Topology:** Linear Bus
- **Wiring Type:** Unshielded twisted pair RG58A/U 50ohm coaxial
- **Boot ROM:** Available

## Product Usage Instructions

### Jumper Settings
Refer to the user manual for specific jumper settings based on your system requirements.

### LED Diagnostic Indicators:

- **LED1:** Twisted pair network connection status
- **LED2:** Network collision detection
- **LED3:** Data transmission status
- **LED4:** Data reception status

### Compatibility Mode Setting:
To enable compatibility mode, close Pins 2 & 3 of JP3. For non-standard timing systems, enable by closing Pins 1 & 2 of JP3.

### I/O Base Address Configuration:
Set the I/O base address by configuring JP4A and JP4B according to your system requirements.

### Boot ROM Address Configuration:
Configure the Boot ROM address using JP5A, JP5B, JP5C, and JP5D  as per the provided guidelines.

### Interrupt Request (IRQ) Settings:
Se the IRQ by configuring JP6A, JP6B, JP6C, and JP6D based on the desired interrupt request.
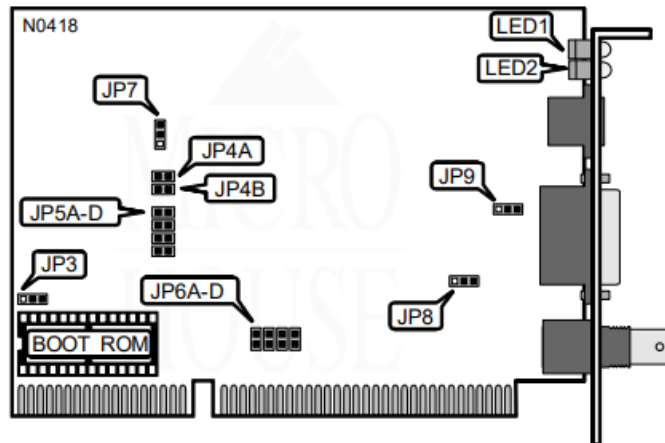
### Cable Type Configuration:
Configure the cable type using JP7 to ensure proper connectivity.

### Frequently Asked Questions (FAQ):

- **Q: What should I do if my system does not work with the NIC card?**

  **A:** If your system does not work with the card, enable compatibility mode by closing Pins 1 & 2 of JP3.
- **Q: How can I check the network connection status?**

  **A:** LED1 indicates the twisted pair network connection status. If it is on, the connection is good; if off, there may

  be a connection issue.
- **Q: What does LED3 indicate?**

  **A:** LED3 shows the data transmission status. If it is on, data is being transmitted; if off, data is not being

  transmitted

## THE NETWORK INTERFACE CARD TECHNICAL GUIDE

## XINETRON, INC.
### X I 3 2 1 T C N R E V . A

- NIC Type Ethernet
- Transfer Rate 10Mbps
- Data Bus 16-bit ISA
- Topology Linear Bus
- Wiring Type Unshielded twisted pair RG58A/U 50ohm coaxial AUI transceiver via DB-15 port
- Boot ROM Available



| COMPATIBILITY MODE | |
| --- | --- |
| Setting | JP3 |
| íDisabled | Pins 2 & 3 closed |
| Enabled | Pins 1 & 2 closed |
| **Note:** Some systems use non-standard timing. If your system does not work with this card set this option to enabled (Pins 1 & 2 closed). | |

| I/O BASE ADDRESS | | |
| --- | --- | --- |
| Address | JP4A | JP4B |
| 300h | Closed | Closed |
| í320h | Closed | Open |
| 340h | Open | Closed |
| 360h | Open | Open |

| BOOT ROM ADDRESS | | | | |
|---|---|---|---|---|
| Address | JP5A | | JP5B | JP5C |
| C8000h | Open | Open | Open | |
| íCC000h | Closed | Open | Closed | |
| D0000h | Open | Open | Closed | |

| BOOT ROM | |
|---|---|
| Setting | JP5D |
| íDisabled | Open |
| Enabled | Closed |
| | |

| INTERRUPT REQUEST | | | | |
|---|---|---|---|---|
| IRQ | JP6A | JP6B | JP6C | JP6D |
| 2/9 | Closed | Open | Open | Open |
| 3 | Open | Closed | Open | Open |
| 4 | Open | Open | Closed | Open |
| í5 | Open | Open | Open | Closed |
| | | | | |

| CABLE TYPE | | | | |
|---|---|---|---|---|
| Type | JP7 | JP8 | JP9 | |
| íRG58A/U 50ohm coaxial | Pins 1 & 2 closed | Pins 1 & 2 closed | Pins 1 & 2 closed | |
| Unshielded twisted pair | Pins 2 & 3 closed | Pins 1 & 2 closed | Pins 1 & 2 closed | |
| AUI transceiver via DB-15 port | N/A | Pins 2 & 3 closed | Pins 2 & 3 closed | |

| DIAGNOSTIC LED(S) | | |
| --- | --- | --- |
| LED | Status | Condition |
| LED1 | On | Twisted pair network connection is good |
| LED1 | Off | Twisted pair network connection is broken |
| LED2 | On | Collision detected on network |
| LED2 | Off | No collisions detected on network |
| LED3 | On | Data is being transmitted |
| LED3 | Off | Data is not being transmitted |
| LED4 | On | Data is being received |
| LED4 | Off | Data is not being received |
| | | |
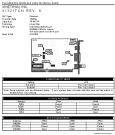
## Documents / Resources

**The Retro Web XI321TCN XINETRON Network Interface Card** [pdf] Instructions
REV. A, XI321TCN XINETRON Network Interface Card, XI321TCN XINETRON, XI321TCN, XINETRON, XI321TCN Network Interface Card, XINETRON Network Interface Card, Network Interface Card, Card, Network Card, Interface Card

## References

- **User Manual**