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The Retro Web
CN700E CNET
Network Interface
Card I
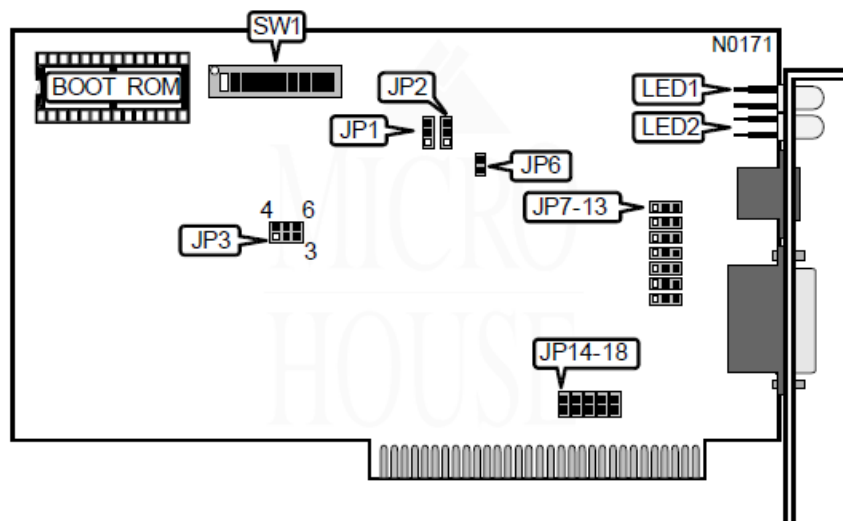
# The Retro Web CN700E CNET Network Interface Card Instructions

**Contents**

**The Retro Web CN700E CNET Network Interface Card**



**Product Specifications**

- **NIC Type:** Ethernet
- **Transfer Rate:** 10Mbps
- **Data Bus:** 8-bit ISA
- **Topology:** Star
- **Wiring Type:** Unshielded twisted pair
- **Boot ROM:** Available, AUI transceiver via DB-15 port

## Product Usage Instructions

### Jumper Settings
Configure the jumper settings as per the following instructions:

- **Wait State:** Adjust JP3 based on performance needs.
- **Link Integrity Test:** Disable for AUI transceiver usage.
- **Cable Type:** Configure JP7-JP13 accordingly.
- **Interrupt Request (IRQ):** Set JP14-JP18 as needed.

### Boot ROM Settings
Adjust SW1 settings for Boot ROM as follows:

- SW1/1: Off for On setting
- SW1/2: Configure based on requirements
- SW1/3 – SW1/10: Set addresses as needed

### Diagnostic LEDs
Interpret the LED status as follows:

- **LED1:** Indicates twisted pair network connection status.
- **LED2:** Shows data transmission/receptio status.

### Frequently Asked Questions (FAQ)

- **Q: What should I do if the network connection is broken?**

  **A:** If the LED indicates the network connection is broken, check the wiring and ensure proper connections.

  Contact  support if the issue persists.
- **Q: How do I optimize performance if it is sluggish?**

  **A:** Test different wait state settings using JP3 until you find the best selection for your system's performance.

## Chapter 5: Jumper Settings

**THE NETWORK INTERFACE CARD TECHNICAL GUIDE 356**
**CNET TECHNOLOGY, INC.**
**C N 7 0 0 E**

- NIC Type Ethernet
- Transfer Rate 10Mbps

- Data Bus 8-bit ISA
- Topology Star
- Wiring Type Unshielded twisted pair
- AUI transciever via DB-15 port
- Boot ROM Available
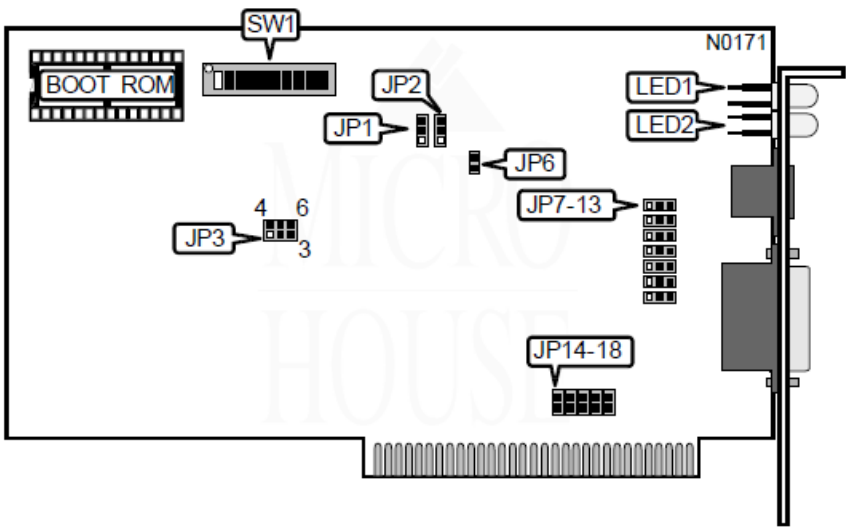


| FACTORY CONFIGURED SETTINGS | |
| --- | --- |
| Jumper | Setting |
| JP1 | Pins 1 & 2 Closed |
| JP2 | Pins 1 & 2 Closed |

| WAIT STATE | |
| --- | --- |
| Setting | JP3 |
| íNormal PC wait state (0 Wait States) | Pins 2 & 3 Closed |
| 0 wait states | Pins 1 & 4 closed |
| 1 wait states | Pins 2 & 5 closed |
| 2 wait states | Pins 3 & 6 closed |
| Note: Normal wait state is recommended in most PC installations. If performance is sluggish, test other wait state settings until the best selection is found for the system being used. | |

| LINK INTEGRITY TEST | |
| --- | --- |
| Setting | JP31 |
| íEnabled | Pins 1 & 2 Closed |
| Disabled | Pins 2 & 3 Closed |
| Note: Link Integrity is only used with 10Base-T wiring. When using an AUI transciever, the test should be disabled. | |

## CABLE TYPE

| Type | JP7 – JP13 |
|---|---|
| íUnshielded twisted pair | Pins 2-3 Closed |
| AUI transceiver via DB-15 port | Pins 1-2 Closed |

## INTERRUPT REQUEST

| IRQ | JP14 | JP15 | JP16 | JP17 | JP18 |
|---|---|---|---|---|---|
| 2/9 | Open | Open | Open | Open | Closed |
| í3 | Open | Open | Open | Closed | Open |
| 4 | Open | Open | Closed | Open | Open |
| 5 | Open | Closed | Open | Open | Open |
| 7 | Closed | Open | Open | Open | Open |
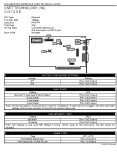
## BOOT ROM

| Setting | SW1/1 |
|---|---|
| íDisabled | Off |
| Enabled | On |

## BOOT ROM ADDRESS

| Address | SW1/2 | SW1/3 | SW1/4 | SW1/5 | SW1/6 |
|---|---|---|---|---|---|
| C0000h | Off | On | On | On | On |
| C4000h | Off | On | On | On | Off |
| C8000h | Off | On | On | Off | On |
| CC000h | Off | On | On | Off | Off |
| D0000h | Off | On | Off | On | On |
| D4000h | Off | On | Off | On | Off |
| íD8000h | Off | On | Off | Off | On |
| DC000h | Off | On | Off | Off | Off |

## I/O BASE ADDRESS

| Address | SW1/7 | SW1/8 | SW1/9 | SW1/10 |
|---------|-------|-------|-------|--------|
| 200h | On | On | On | On |
| 220h | On | On | On | Off |
| 240h | On | On | Off | On |
| í280h | On | Off | On | On |
| 2A0h | On | Off | On | Off |
| 2C0h | On | Off | Off | On |
| 300h | Off | On | On | On |
| 320h | Off | On | On | Off |
| 340h | Off | On | Off | On |

## DIAGNOSTIC LED(S)

| LED | Status | Condition |
|-----|--------|-----------|
| LED1 | On | Twisted pair network connection is good |
| LED1 | Off | Twisted pair network connection is broken |
| LED2 | On | Data is being transmitted or received |
| LED2 | Off | Data is not being transmitted or received |

## Documents / Resources

**The Retro Web CN700E CNET Network Interface Card** [pdf] Instructions
CN700E, CN700E CNET Network Interface Card, CN700E CNET, CN700E Network Interface Card, CNET, CNET Network Interface Card, Network Interface Card, Card, NETWORK CARD, INTERFACE CARD

## References

- **User Manual**