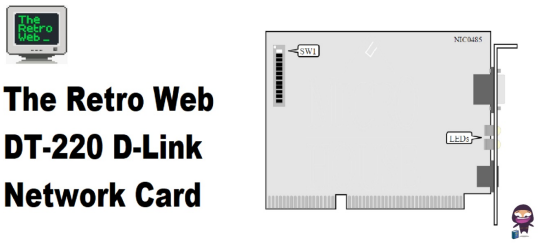
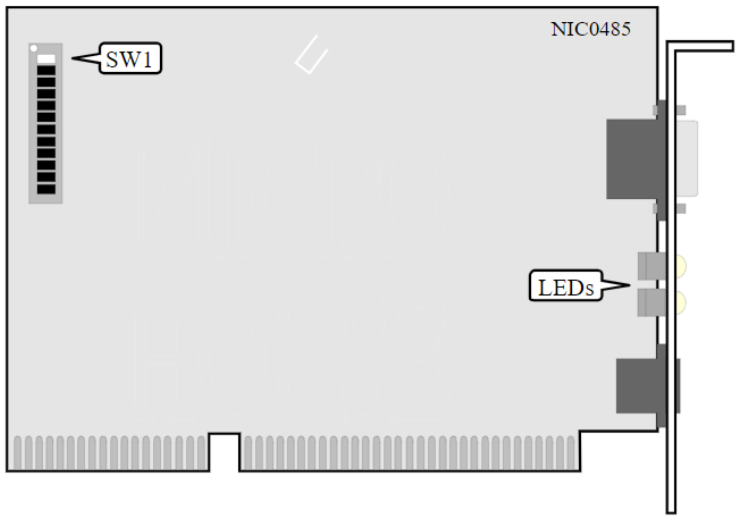


The Retro Web DT-220 D-Link Network Card Instructions

Contents

The Retro Web DT-220 D-Link Network Card



Specifications

- NIC Type: Token-Ring
- Transfer Rate: 4/16Mbps
- Data Bus: 16-bit ISA
- Toplogy: Ring
- Wiring Type: Unshielded twisted pair (DB-9 port) / Shielded twisted pair
- Boot ROM: Available (Built-in Remote Program Load)

Product Usage Instructions:

Jumper Settings
Refer to SW1 settings for jumper configurations.

Primary/Secondary Card Select:
If installing two NICs, set one to primary and the other to secondary.

Shared Memory Size
Set SW1/10 for shared memory size. Choose between 8KB, 32KB, or 64KB. The 16KB option supports memory paging.

Network Segment Speed
Set SW1/12 for network segment speed. Choose between 16Mbps and 4Mbps. Ensure all NICs on the network segment are set to the same speed.

Diagnostic LED(s)
The amber LED will briefly light up during power application. The green LED indicates 16Mbps network speed, while the amber LED indicates 4Mbps network speed.

FAQ

- **Q: How do I know if the NIC is set to the correct network speed?**

  A: Check the diagnostic LEDs – green LED for 16Mbps and amber LED for 4Mbps.
- **Q: Can I install multiple NICs in a system?**

  A: Yes, ensure one NIC is set to primary and the other to secondary using jumper settings.
- **Q: What is the purpose of the Boot ROM feature?**

  A: The Boot ROM allows for Built-in Remote Program Load functionality.
- **Q: How do I configure the shared memory size?**

  A: Use SW1/10 to select between 8KB, 32KB, or 64KB. The 16KB option supports memory paging.

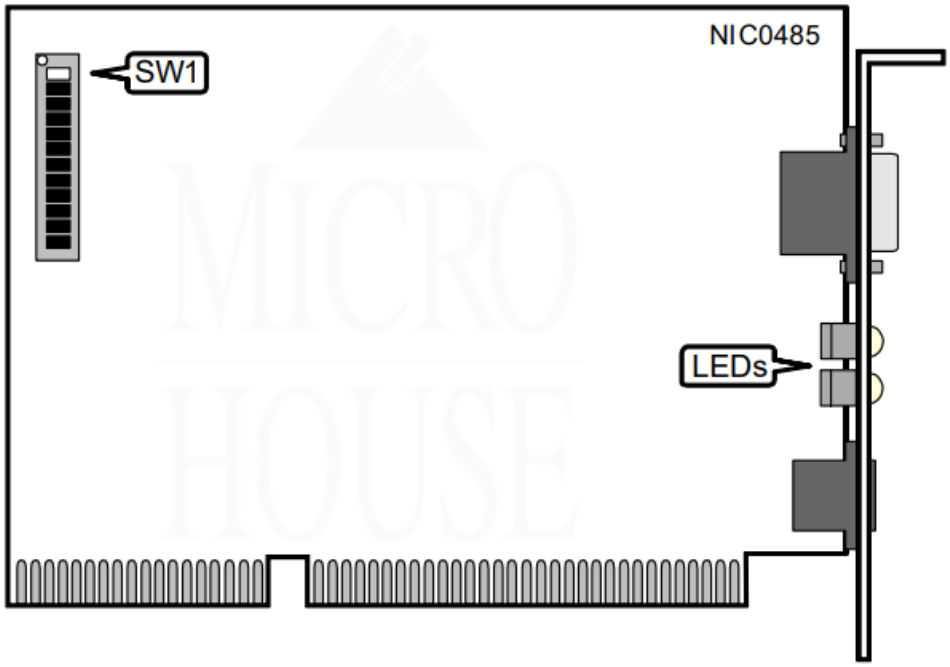
Chapter 5: Jumper Settings

THE NETWORK INTERFACE CARD TECHNICAL GUIDE

D-LINK D T – 2 2 0

- NIC Type Token-Ring
- Transfer Rate 4/16Mbps
- Data Bus 16-bit ISA
- Topology Ring
- Wiring Type Unshielded twisted pair

- Shielded twisted pair (DB-9 port)
- Boot ROM Available (Built-in Remote Program Load)



BOOT ROM ADDRESS						
Address	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
C0000h	Off	On	On	On	On	On
C2000h	Off	On	On	On	On	Off
C4000h	Off	On	On	On	Off	On
C6000h	Off	On	On	On	Off	Off
C8000h	Off	On	On	Off	On	On
CA000h	Off	On	On	Off	On	Off
CC000h	Off	On	On	Off	Off	On
CE000h	Off	On	On	Off	Off	Off
D0000h	Off	On	Off	On	On	On
D2000h	Off	On	Off	On	On	Off
D4000h	Off	On	Off	On	Off	On
D6000h	Off	On	Off	On	Off	Off
D8000h	Off	On	Off	Off	On	On
DA000h	Off	On	Off	Off	On	Off
DC000h	Off	On	Off	Off	Off	On
DE000h	Off	On	Off	Off	Off	Off

INTERRUPT REQUEST		
IRQ	SW1/7	SW1/8
2/9	On	On
í3	On	Off
7	Off	Off

PRIMARY/SECONDARY CARD SELECT	
Setting	SW1/9
íPrimary	Off
Secondary	On
Note: If two NICs are installed in a system, one must be set to primary, and the other to secondary.	

SHARED MEMORY SIZE		
Size	SW1/10	SW1/11
8KB	On	On
í16KB	Off	On
32KB	On	Off
64KB	Off	Off
Note: The 16KB option is the only setting that supports memory paging.		

NETWORK SEGMENT SPEED	
Speed	SW1/12
16Mbps	Off
4Mbps	On
Note: All NICs on the network segment must be set to the same speed.	

DIAGNOSTIC LED(S)		
Amber LED	Green LED	Condition
On	Off	Network speed is set to 4Mbps
Off	On	Network speed is set to 16Mbps
Note: The amber LED will light momentarily when power is applied to the NIC. The appropriate LED will th en light to indicate the network speed at which the card is set.		

Documents / Resources

	**The Retro Web DT-220 D-Link Network Card** [pdf] Instructions NIC0485, DT-220 D-Link Network Card, DT-220 D-Link, DT-220, D-Link, Network Card, Network, Card, DT-220 Network Card, D-Link Network Card

References

- **User Manual**