DTK COMPUTER, INC.
ATN-001S & ATN-001B

NIC Type	Arcrnet
Transfer Rate	2.5Mbps
Data Bus	16-bit ISA
Topology	Linear Bus (ATN-001B)
	Star (ATN-001S)
Wiring Type	RG-62A/U 93ohm coaxial
	AUI transceiver via DB-15 port
Boot ROM	Available
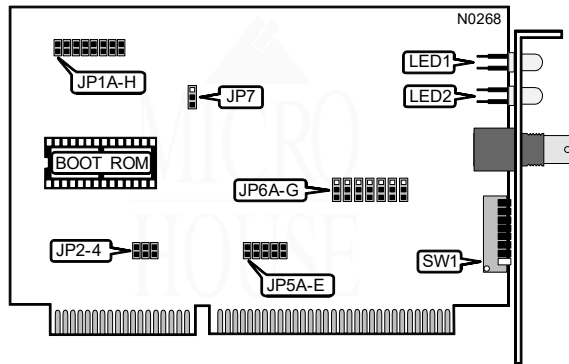
NODE ADDRESS								
Node	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6	SW1/7	SW1/8
0	-	-	-	-	-	-	-	-
1	Off	On	On	On	On	On	On	On
2	On	Off	On	On	On	On	On	On
3	Off	Off	On	On	On	On	On	On
4	On	On	Off	On	On	On	On	On
251	Off	Off	On	Off	Off	Off	Off	Off
252	On	On	Off	Off	Off	Off	Off	Off
253	Off	On	Off	Off	Off	Off	Off	Off
254	On	Off	Off	Off	Off	Off	Off	Off
255	Off	Off	Off	Off	Off	Off	Off	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)

BOOT ROM	
Setting	JP2
íDisabled	Open
Enabled	Closed

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BASE MEMORY ADDRESS						
Base Address	Boot ROM	JP1D	JP1E	JP1F	JP1G	JP1H
C0000-C07FFh	C2000-C3FFFh	Closed	Closed	Closed	Closed	Closed
C0800-C0FFFh	C2000-C3FFFh	Closed	Closed	Closed	Closed	Open
C1000-C17FFh	C2000-C3FFFh	Closed	Closed	Closed	Open	Closed
C1800-C1FFFh	C2000-C3FFFh	Closed	Closed	Closed	Open	Open
C4000-C47FFh	C6000-C7FFFh	Closed	Closed	Open	Closed	Closed
C4800-C4FFFh	C6000-C7FFFh	Closed	Closed	Open	Closed	Open
C5000-C57FFh	C6000-C7FFFh	Closed	Closed	Open	Open	Closed
C5800-C5FFFh	C6000-C7FFFh	Closed	Closed	Open	Open	Open
CC000-CC7FFh	CE000-CFFFFh	Closed	Open	Closed	Closed	Closed
CC800-CCFFFh	CE000-CFFFFh	Closed	Open	Closed	Closed	Open
CD000-CD7FFh	CE000-CFFFFh	Closed	Open	Closed	Open	Closed
CD800-CDFFFh	CE000-CFFFFh	Closed	Open	Closed	Open	Open
íD0000-D07FFh	D2000-D3FFFh	Closed	Open	Open	Closed	Closed
D0800-D0FFFh	D2000-D3FFFh	Closed	Open	Open	Closed	Open
D1000-D17FFh	D2000-D3FFFh	Closed	Open	Open	Open	Closed
D1800-D1FFFh	D2000-D3FFFh	Closed	Open	Open	Open	Open
D4000-D47FFh	D6000-D7FFFh	Open	Closed	Closed	Closed	Closed
D4800-D4FFFh	D6000-D7FFFh	Open	Closed	Closed	Closed	Open
D5000-D57FFh	D6000-D7FFFh	Open	Closed	Closed	Open	Closed
D5800 D5FFFh	D6000-D7FFFh	Open	Closed	Closed	Open	Open
D8000-D87FFh	DA000-DBFFFh	Open	Closed	Open	Closed	Closed
D8800-D8FFFh	DA000-DBFFFh	Open	Closed	Open	Closed	Open
D9000-D97FFh	DA000-DBFFFh	Open	Closed	Open	Open	Closed
D9800-D9FFFh	DA000-DBFFFh	Open	Closed	Open	Open	Open
DC000-DC7FFh	DE000-DFFFFh	Open	Open	Closed	Closed	Closed
DC800-DCFFFh	DE000-DFFFFh	Open	Open	Closed	Closed	Open
DD000-DD7FFh	DE000-DFFFFh	Open	Open	Closed	Open	Closed
DD800-DDFFFh	DE000-DFFFFh	Open	Open	Closed	Open	Open
E0000-E07FFh	E2000-E3FFFh	Open	Open	Open	Closed	Closed
E0800-E0FFFh	E2000-E3FFFh	Open	Open	Open	Closed	Open
E1000-E17FFh	E2000-E3FFFh	Open	Open	Open	Open	Closed
E1800-E1FFFh	E2000-E3FFFh	Open	Open	Open	Open	Open

I/O BASE ADDRESS			
I/O	JP1A	JP1B	JP1C
260-26Fh	Closed	Closed	Closed
290-29Fh	Closed	Closed	Open
í2E0-2EFh	Closed	Open	Closed
300-30Fh	Open	Closed	Closed
350-35Fh	Open	Closed	Open
380-38Fh	Open	Open	Closed
3E0-3EFh	Open	Open	Open

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INTERRUPT REQUEST					
IRQ	JP5A	JP5B	JP5C	JP5D	JP5E
í2/9	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

WAIT STATE		
Setting	JP3	JP4
íZero wait states	Open	Closed
Software programmable wait states	Closed	Open
Same as I/O Bus wait state	Open	Open

DECODING MODE		
Mode	JP6A-JP6E & JP6G	JP6F
íMode 1 (latched addresses are used)	Pins 1 & 2 Closed	Pins 2 & 3 Closed
Mode 2 (unlatched addresses are used)	Pins 2 & 3 Closed	Pins 2 & 3 Closed
Note: Do not change jumpers unless you have compatibility problems.		

DIAGNOSTIC LED(S)			
LED	Color	Status	Condition
LED1	Red	Blinking	Netwok cabling failure
LED2	Yellow	Off	or hardware failure
LED1	Red	On	Data being transmitted
LED2	Yellow	Blinking	or received

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