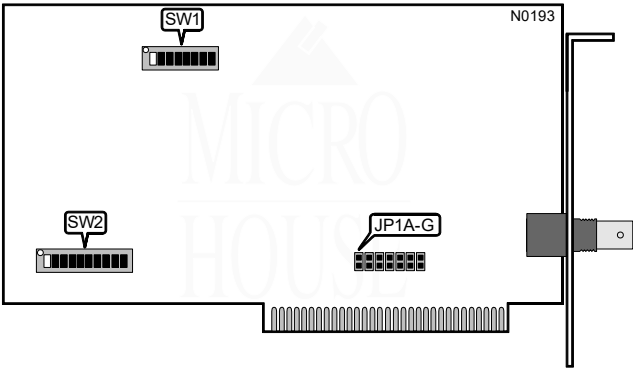


THE NETWORK INTERFACE CARD TECHNICAL GUIDE

AMERICAN RESEARCH CORPORATION

P C N - 0 0 2

NIC Type Ethernet  
Transfer Rate 10Mbps  
Data Bus 8-bit ISA  
Topology Star  
Linear Bus  
Wiring Type RG62A/U 93ohm coaxial  
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
<p>Notes: 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)</p>								

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## PC N - 002

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INTERRUPT REQUEST					
IRQ	JP1A	JP1B	JP1C	JP1D	JP1E
2	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	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
200h	Off	On	On	On	On	On
210h	Off	On	On	On	On	Off
220h	Off	On	On	On	Off	On
230h	Off	On	On	On	Off	Off
240h	Off	On	On	Off	On	On
250h	Off	On	On	Off	On	Off
260h	Off	On	On	Off	Off	On
270h	Off	On	On	Off	Off	Off
280h	Off	On	Off	On	On	On
290h	Off	On	Off	On	On	Off
2A0h	Off	On	Off	On	Off	On
2B0h	Off	On	Off	On	Off	Off
2C0h	Off	On	Off	Off	On	On
2D0h	Off	On	Off	Off	On	Off
2E0h	Off	On	Off	Off	Off	On
2F0h	Off	On	Off	Off	Off	Off
300h	Off	Off	On	On	On	On
310h	Off	Off	On	On	On	Off
320h	Off	Off	On	On	Off	On
330h	Off	Off	On	On	Off	Off
340h	Off	Off	On	Off	On	On
350h	Off	Off	On	Off	On	Off
360h	Off	Off	On	Off	Off	On
370h	Off	Off	On	Off	Off	Off
380h	Off	Off	Off	On	On	On
390h	Off	Off	Off	On	On	Off
3A0h	Off	Off	Off	On	Off	On
3B0h	Off	Off	Off	On	Off	Off
3C0h	Off	Off	Off	Off	On	On
3D0h	Off	Off	Off	Off	On	Off
3E0h	Off	Off	Off	Off	Off	On
3F0h	Off	Off	Off	Off	Off	Off

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BOOT ROM ADDRESS					
Base Address	Boot ROM Address	SW2/7	SW2/8	SW2/9	SW2/10
C0000h	C8000h	Off	Off	On	On
D0000h	D8000h	Off	Off	On	Off
E0000h	E8000h	Off	Off	Off	On

FACTORY CONFIGURED SETTINGS	
Jumper	Setting
JP1F	Open
JP1G	Open