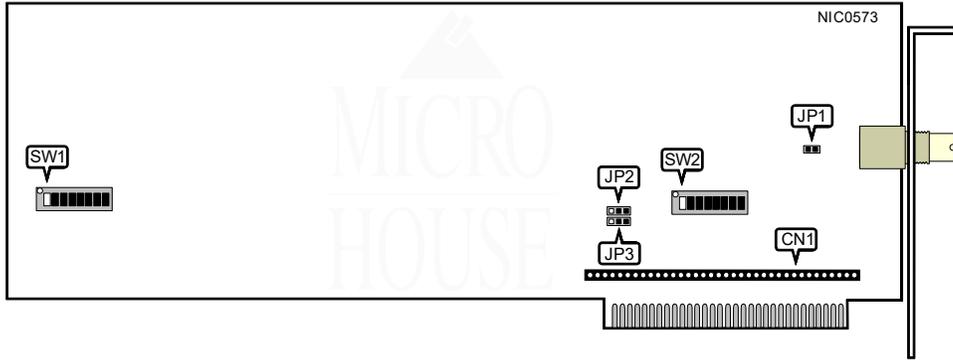


THE NETWORK INTERFACE CARD TECHNICAL GUIDE

**GATEWAY COMMUNICATIONS, INC.
G/NET (REV.03 ONLY)**

NIC Type	G-Net
Transfer Rate	2.5Mbps
Data Bus	8-bit ISA
Topology	Linear Bus
Wiring Type	RG--11/U 75ohm coaxial RG-59/U 75ohm coaxial RG-62A/U 93ohm coaxial
Boot ROM	Not available (optional card required)



CONNECTORS	
Purpose	Location
Piggy-back Keypad	CN1

NODE ADDRESS								
Node	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6	SW1/7	SW1/8
0	-	-	-	-	-	-	-	-
1	Off	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						
255	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)

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CABLE TYPE	
Type	JP1
iRG11/U 75ohm or RG-59/U 75ohm	Closed
RG-62A/U 93ohm	Open
Note: All NICs on the network must use the same cable type	

INTERRUPT REQUEST		
IRQ	JP2	JP3
2	Open	Pins 2 & 3 Closed
3	Pins 1 & 2 Closed	Open
i4	Pins 2 & 3 Closed	Open
5	Open	Pins 1 & 2 Closed

BASE MEMORY BUFFER ADDRESS				
Address	SW2/1	SW2/2	SW2/3	SW2/4
50000h	Off	On	Off	On
60000h	On	Off	Off	On
70000h	Off	Off	Off	On
80000h	On	On	On	Off
90000h	Off	On	On	Off
A0000h	On	Off	On	Off
C0000h	On	On	Off	Off
iD0000h	Off	On	Off	Off
E0000h	On	Off	Off	Off

I/O BASE ADDRESS				
Address	SW2/5	SW2/6	SW2/7	SW2/8
280h-287h	On	On	On	On
290h-297h	Off	On	On	On
2A0h-2A7h	On	Off	On	On
2B0h-2B7h	Off	Off	On	On
200h-207h	On	On	Off	On
2D0h-2D7h	Off	On	Off	On
i2E0h-2E7h	On	On	On	On
2F0h-2F7h	Off	Off	Off	On
300h-307h	On	On	On	Off
310h-317h	Off	On	On	Off
320h-327h	On	Off	On	Off
330h-337h	Off	Off	On	Off
340h-347h	On	On	Off	Off
350h-357h	Off	On	Off	Off
360h-367h	On	Off	Off	Off
370h-377h	Off	Off	Off	Off