# GATEWAY COMMUNICATIONS, INC.
# G/NET (REV.04 OR ABOVE)

| | |
|---|---|
| **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-58/U 50ohm coaxial |
| | RG-62A/U 93ohm coaxial |
| | Wang style RG-59/U 75ohm dual coaxial |
| **Boot ROM** | Not available (optional card required) |



| CONNECTORS | |
|---|---|
| Purpose | Location |
| Piggy-back Keycard | CN1 |

| CABLE TYPE SELECTION | |
|---|---|
| Type | JP1 |
| íRG11/U 75ohm or RG-59/U 75ohm | Pins 2 & 3 Closed |
| RG-58/U 50ohm | Pins 1 & 2 Closed |
| RG-62A/U 93ohm | Open |

| INTERRUPT REQUEST | | |
|---|---|---|
| IRQ | JP2 | JP3 |
| í3 | Pins 1 & 2 Closed | Open |
| 2 | Open | Pins 2 & 3 Closed |
| 4 | Pins 2 & 3 Closed | Open |
| 5 | Open | Pins 1 & 2 Closed |
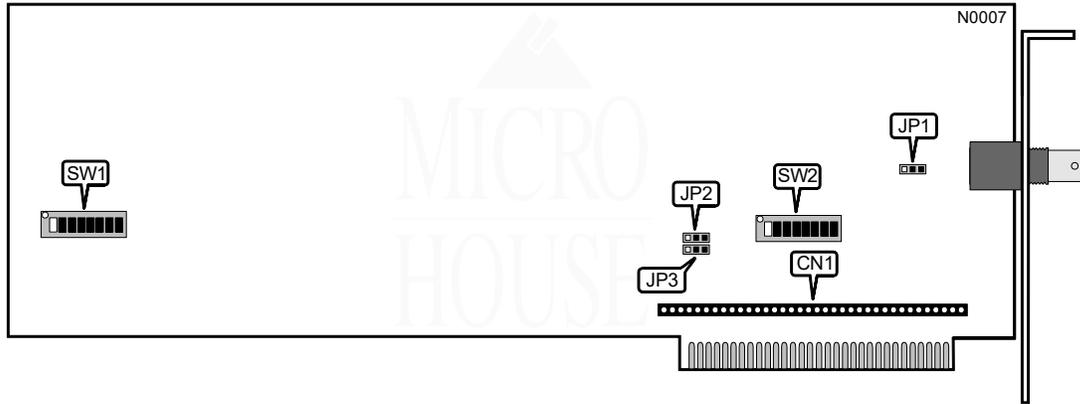
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| Node | SW1/1 | SW1/2 | SW1/3 | SW1/4 | SW1/5 | SW1/6 | SW1/7 | SW1/8 |
|---|---|---|---|---|---|---|---|---|
| 0 | - | - | - | - | - | - | - | - |
| 1 | Off | On | On | On | On | On | On | On |
| 2 | On | Off | On | On | On | On | On | On |
| 3 | 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 |

**NODE ADDRESS SELECTION**

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)

**BASE MEMORY BUFFER ADDRESS**

| Address | SW2/1 | SW2/2 | SW2/3 | SW2/4 |
|---|---|---|---|---|
| íD0000h | Off | On | Off | Off |
| 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 |
| E0000h | On | Off | Off | Off |

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| I/O BASE ADDRESS | | | | |
|---|---|---|---|---|
| Address | SW2/5 | SW2/6 | SW2/7 | SW2/8 |
| í2E0h-2E7h | On | On | On | On |
| 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 |
| 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 |