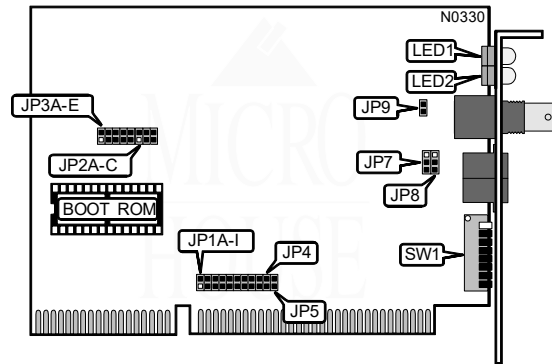


COMPEX, INC.

ANET16-1A (REV. B)

| | |
|----------------------|-------------------------|
| NIC Type | ARCnet |
| Transfer Rate | 2.5Mbps |
| Data Bus | 16-bit ISA |
| Topology | Star |
| | Linear Bus |
| Wiring Type | Unshielded twisted pair |
| | RG-62A/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 |

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)

Continued next page . . .

COMPEX, INC.
ANET16-1A (REV. B)

... continued from previous page

| INTERRUPT REQUEST | | | | | | | | | |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| IRQ | JP1A | JP1B | JP1C | JP1D | JP1E | JP1F | JP1G | JP1H | JP1I |
| i2/9 | Open | Open | Open | Open | Closed | Open | Open | Open | Open |
| 3 | Open | Open | Open | Open | Open | Closed | Open | Open | Open |
| 4 | Open | Open | Open | Open | Open | Open | Closed | Open | Open |
| 5 | Open | Open | Open | Open | Open | Open | Open | Closed | Open |
| 7 | Open | Open | Open | Open | Open | Open | Open | Open | Closed |
| 10 | Open | Open | Open | Closed | Open | Open | Open | Open | Open |
| 11 | Open | Open | Closed | Open | Open | Open | Open | Open | Open |
| 12 | Open | Closed | Open | Open | Open | Open | Open | Open | Open |
| 15 | Closed | Open | Open | Open | Open | Open | Open | Open | Open |

| I/O BASE ADDRESS | | | |
|------------------|--------|--------|--------|
| Address | JP2A | JP2B | JP2C |
| 260h | Closed | Closed | Closed |
| 290h | Open | Closed | Closed |
| i2E0h | Closed | Open | Closed |
| 2F0h | Open | Open | Closed |
| 300h | Closed | Closed | Open |
| 350h | Open | Closed | Open |
| 380h | Closed | Open | Open |
| 3E0h | Open | Open | Open |

| BOOT ROM ADDRESS | | | | | |
|---|--------|--------|--------|--------|--------|
| Address | JP3A | JP3B | JP3C | JP3D | JP3E |
| C0000h ¹ | Closed | Closed | Closed | Closed | Closed |
| C4000h ¹ | Closed | Closed | Open | Closed | Closed |
| CC000h | Closed | Closed | Closed | Open | Closed |
| iD0000h | Closed | Closed | Open | Open | Closed |
| D4000h | Closed | Closed | Closed | Closed | Open |
| D8000h | Closed | Closed | Open | Closed | Open |
| DC000h | Closed | Closed | Closed | Open | Open |
| E0000h | Closed | Closed | Open | Open | Open |
| Note 1: These options can be supported by XT or fully XT-compatible PCs only. | | | | | |

| WAIT STATE | |
|--|--------|
| Setting | JP4 |
| iZero wait states disabled | Open |
| Zero wait states enabled | Closed |
| Note: If Zero wait state is enabled, IOCHRDY (JP5) must be disabled. | |

Continued next page ...

COMPEX, INC.

ANET16-1A (REV. B)

... continued from previous page

| I/O CHANNEL READY | |
|--|--------|
| Setting | JP5 |
| iIOCHRDY signal disabled | Open |
| IOCHRDY signal enabled | Closed |
| Note: If IOCHRDY signal is enabled, Zero wait state (JP4) must be disabled. If optional PROM is installed, IOCHRDY must be enabled and Zero wait state (JP4) must be disabled. | |

| CABLE TYPE | |
|-------------------------|-------------------|
| Type | JP7 & JP8 |
| iRG62A/U 93ohm coaxial | Pins 1 & 2 Closed |
| Unshielded twisted pair | Pins 2 & 3 Closed |

| TOPOLOGY CONFIGURATION | |
|------------------------|--------|
| Mode | JP9 |
| iStar | Closed |
| Linear Bus | Open |

| DIAGNOSTIC LED(S)S | | | |
|--------------------|-------|----------|--|
| LED | Color | Status | Condition |
| LED1 | Red | On | Network connection is good |
| LED1 | Red | Blinking | Network connection is bad or no other nodes are active |
| LED2 | Green | On | Data is being transmitted or received |
| LED2 | Green | Off | Data is not being transmitted or received |
| LED2 | Green | Blinking | System is being powered up |