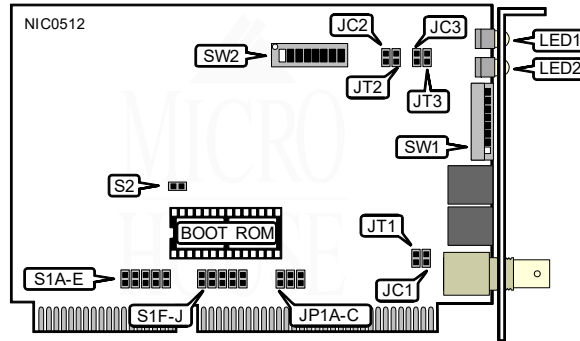


# EDIMAX COMPUTER COMPANY

## AL-3357/AL-3358 (VERSION 1.1)

|                      |                                                                                                                                                      |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NIC Type</b>      | ARCnet                                                                                                                                               |
| <b>Transfer Rate</b> | 2.5Mbps                                                                                                                                              |
| <b>Data Bus</b>      | 16-bit ISA                                                                                                                                           |
| <b>Topology</b>      | Star (The AL-3358 cannot be used in a coaxial/star configuration.)<br>Linear Bus (The AL-3357 cannot be used in a coaxial/linear bus configuration.) |
| <b>Wiring Type</b>   | Unshielded twisted pair<br>RG-62A/U 93ohm coaxial                                                                                                    |
| <b>Boot ROM</b>      | Available                                                                                                                                            |



| NODE ID 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)

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| CABLE TYPE              |        |        |        |
|-------------------------|--------|--------|--------|
| Type                    | JC1    | JT1    | JT2    |
| RG-62A/U 93ohm coaxial  | Closed | Open   | Open   |
| Unshielded twisted pair | Open   | Closed | Closed |

| ONBOARD TERMINATOR                                                                                                                               |                         |        |        |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------|--------|--------|
| Setting                                                                                                                                          | Cable type              | JC2    | JC3    | JT3    |
| Disabled                                                                                                                                         | Coaxial or Twisted pair | Open   | Open   | Open   |
| Enabled                                                                                                                                          | Coaxial                 | Closed | Closed | Open   |
| Enabled                                                                                                                                          | Twisted pair            | Open   | Open   | Closed |
| Notes: If the card is on either end of a linear bus network segment, the onboard terminator can be used instead of using an external terminator. |                         |        |        |        |

| I/O CHANNEL READY SIGNAL ENABLE |        |
|---------------------------------|--------|
| Setting                         | JP1A   |
| Enabled                         | Closed |
| Disabled                        | Open   |

| WAIT STATE     |        |
|----------------|--------|
| Setting        | JP1B   |
| 10 wait-states | Closed |
| 1 wait-state   | Open   |

| BALE ENABLE                                                                                                                                                                                                                                                                                                                   |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Setting                                                                                                                                                                                                                                                                                                                       | JP1C   |
| Disabled                                                                                                                                                                                                                                                                                                                      | Open   |
| Enabled                                                                                                                                                                                                                                                                                                                       | Closed |
| Note: This jumper can be enabled for systems with a faster I/O bus requiring the NIC to "latch" a memory address and the transfer width and preserve them until the NIC can complete the memory transfer. In other words if your system has a faster than average (>8MHz) I/O bus speed you might need to enable this option. |        |

# EDIMAX COMPUTER COMPANY

## AL-3357/AL-3358 (VERSION 1.1)

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| INTERRUPT SETTINGS |        |        |        |        |        |
|--------------------|--------|--------|--------|--------|--------|
| IRQ                | S1A    | S1B    | S1C    | S1D    | S1E    |
| i2/9               | Open   | Open   | Open   | Open   | Closed |
| 3                  | Closed | Open   | Open   | Open   | Open   |
| 4                  | Open   | Closed | Open   | Open   | Open   |
| 5                  | Open   | Open   | Closed | Open   | Open   |
| 7                  | Open   | Open   | Open   | Closed | Open   |

| BOOT ROM |                   |
|----------|-------------------|
| Setting  | S2                |
| Disabled | Pins 1 & 2 closed |
| Enabled  | Pins 2 & 3 closed |

| I/O BASE ADDRESS |       |       |       |
|------------------|-------|-------|-------|
| Address          | SW2/6 | SW2/7 | SW2/8 |
| 260 - 26Fh       | On    | On    | On    |
| 290 - 29Fh       | Off   | On    | On    |
| i2E0 - 2EFh      | On    | Off   | On    |
| 2F0 - 2FFh       | Off   | Off   | On    |
| 300 - 30Fh       | On    | On    | Off   |
| 350 - 35Fh       | Off   | On    | Off   |
| 380 - 38Fh       | On    | Off   | Off   |
| 3E0 - 3EFh       | Off   | Off   | Off   |

| DIAGNOSTIC LED(S) |        |                                             |
|-------------------|--------|---------------------------------------------|
| LED               | Status | Condition                                   |
| LED1              | On     | Data is being transmitted or received       |
| LED1              | Off    | Data is not being transmitted or received   |
| LED2              | On     | Card is being accessed by host computer     |
| LED2              | Off    | Card is not being accessed by host computer |

Continued on next page ...

| BUFFER MEMORY ADDRESS & BOOT ROM ADDRESS |                  |       |       |       |       |       |
|------------------------------------------|------------------|-------|-------|-------|-------|-------|
| Buffer Address                           | Boot ROM Address | SW1/1 | SW1/2 | SW1/3 | SW1/4 | SW1/5 |
| C0000 - C07FFh                           | C2000 - C3FFFh   | On    | On    | On    | On    | On    |
| C0800 - C0FFFh                           | C2000 - C3FFFh   | On    | On    | On    | On    | Off   |
| C1000 - C17FFh                           | C2000 - C3FFFh   | On    | On    | On    | Off   | On    |
| C1800 - C1FFFh                           | C2000 - C3FFFh   | On    | On    | On    | Off   | Off   |
| C4000 - C47FFh                           | C6000 - C7FFFh   | On    | On    | Off   | On    | On    |
| C4800 - C4FFFh                           | C6000 - C7FFFh   | On    | On    | Off   | On    | Off   |
| C5000 - C57FFh                           | C6000 - C7FFFh   | On    | On    | Off   | Off   | On    |
| C5800 - C5FFFh                           | C6000 - C7FFFh   | On    | On    | Off   | Off   | Off   |
| CC000 - CC7FFh                           | CE000 - CFFFFh   | On    | Off   | On    | On    | On    |
| CC800 - CCFFFh                           | CE000 - CFFFFh   | On    | Off   | On    | On    | Off   |
| CD000 - CD7FFh                           | CE000 - CFFFFh   | On    | Off   | On    | Off   | On    |
| CD800 - CDFFFh                           | CE000 - CFFFFh   | On    | Off   | On    | Off   | Off   |
| iD0000 - D07FFh                          | D2000 - D3FFFh   | On    | Off   | Off   | On    | On    |
| D0800 - D0FFFh                           | D2000 - D3FFFh   | On    | Off   | Off   | On    | Off   |
| D1000 - D17FFh                           | D2000 - D3FFFh   | On    | Off   | Off   | Off   | On    |
| D1800 - D1FFFh                           | D2000 - D3FFFh   | On    | Off   | Off   | Off   | Off   |
| D4000 - D47FFh                           | D6000 - D7FFFh   | Off   | On    | On    | On    | On    |
| D4800 - D4FFFh                           | D6000 - D7FFFh   | Off   | On    | On    | On    | Off   |
| D5000 - D57FFh                           | D6000 - D7FFFh   | Off   | On    | On    | Off   | On    |
| D5800 - D5FFFh                           | D6000 - D7FFFh   | Off   | On    | On    | Off   | Off   |
| D8000 - D87FFh                           | DA000 - DBFFFh   | Off   | On    | Off   | On    | On    |
| D8800 - D8FFFh                           | DA000 - DBFFFh   | Off   | On    | Off   | On    | Off   |
| D9000 - D97FFh                           | DA000 - DBFFFh   | Off   | On    | Off   | Off   | On    |
| D9800 - D9FFFh                           | DA000 - DBFFFh   | Off   | On    | Off   | Off   | Off   |
| DC000 - DC7FFh                           | DE000 - DFFFFh   | Off   | Off   | On    | On    | On    |
| DC800 - DCFFFh                           | DE000 - DFFFFh   | Off   | Off   | On    | On    | Off   |
| DD000 - DD7FFh                           | DE000 - DFFFFh   | Off   | Off   | On    | Off   | On    |
| DD800 - DDFFFh                           | DE000 - DFFFFh   | Off   | Off   | On    | Off   | Off   |
| E0000 - E07FFh                           | E2000 - E2FFFh   | Off   | Off   | Off   | On    | On    |
| E0800 - E0FFFh                           | E2000 - E2FFFh   | Off   | Off   | Off   | On    | Off   |
| E1000 - E17FFh                           | E2000 - E2FFFh   | Off   | Off   | Off   | Off   | On    |
| E1800 - E1FFFh                           | E2000 - E2FFFh   | Off   | Off   | Off   | Off   | Off   |