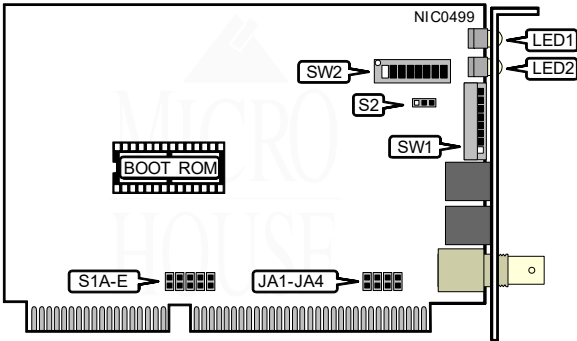


EDIMAX COMPUTER COMPANY  
AL-3357/AL-3358 (VERSION 1.0)

|               |                         |
|---------------|-------------------------|
| 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 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   |

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)

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## AL-3357/AL-3358 (VERSION 1.0)

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| MODEL, CABLE TYPE, AND TOPOLOGY                                                                                                        |              |            |        |        |        |        |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------|--------|--------|--------|
| Model                                                                                                                                  | Cable Type   | Topology   | JA1    | JA2    | JA3    | JA4    |
| AL-3357                                                                                                                                | Coaxial      | Star       | Open   | Open   | Closed | Open   |
| AL-3358                                                                                                                                | Coaxial      | Linear Bus | Open   | Open   | Open   | Closed |
| AL-3357 or AL-3358                                                                                                                     | Twisted pair | Linear Bus | Closed | Closed | Open   | Open   |
| Note: The AL-3357 cannot be used in a coaxial/linear bus configuration.<br>The AL-3358 cannot be used in a coaxial/Star configuration. |              |            |        |        |        |        |

| 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                |
| iDisabled | 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 |

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| 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   |