INSTALLING THE A2065

Configuration of the Ethernet Board

The Ethernet board must be configured to operate with the type of cable used at your site. The board supports two types of network cable. Thick Ethernet is a one-half inch thick shielded cable used as the transmission medium in the original standard defined by XEROX®. Thin Ethernet (also known as Cheapernet) is a less expensive form of coaxial cable which offers a lower connection cost per node and is often substituted for Thick Ethernet in small installations where the long cable lengths and higher number of nodes accommodated by Thick Ethernet are not required.

The A2065 Ethernet board is preset at the factory for Thin Ethernet and interrupt level 2. For different cable types the jumpers are defined as follows:

In figure 1, there is a six row by three column array labeled ABC. This jumper block defines which cable interface is used, Thick or Thin Ethernet. For Thin Ethernet operation the jumper must be set to AB. For Thick Ethernet operation the jumper must be set to BC. The jumper is preset to AB for use with Thin Ethernet.

![A2065 Ethernet Board](image)

**Figure 1**

The interrupt level is preset at the factory for level 2 and must not be changed. Jumper block JP1-JP6 sets the different possible interrupts with position JP2 being the second position in from the left as shown in figure 1.

Jumper JP7 controls the type of Ethernet transceiver being used. For type 2 Ethernet, jumper JP7 must be off. If your site uses type 1 Ethernet, a jumper block must be placed on JP7. Most sites use type 2 Ethernet, so JP7 is left off; this is the default setting, preset from the factory.

Installation Procedure

1. Turn off and disconnect the Amiga

Turn off the Amiga, and unplug the power cable. Disconnect all peripherals and cables from the Amiga.

2. Remove the Amiga’s cover

Remove the two screws on the lower left side of the Amiga. Remove the two screws on the lower right side of the Amiga. Put them aside.
Remove the center screw from the rear of the Amiga. Be careful to remove the correct screw.

Turn the Amiga so that you are facing the front of the machine. Grasp the cover on both sides and slide it towards you while lifting upwards.

If the cover seems stuck, do not force it. Look under the cover to see if any wires or cables are caught on the cover. If anything is caught, gently untangle it, and continue to slide the cover off.

3. Install the A2065

The A2065 board can be installed in any one of the five 100-pin expansion slots. You may need to temporarily remove other internal expansion boards in order to install the A2065. Once the A2065 is installed, replace the other expansion boards.

After you select a slot for the A2065, locate the metal slot cover at the back of that slot. Remove the screw securing the slot cover and set it aside. Remove the slot cover and save it, in case you ever remove the A2065.

Feed the Ethernet board BNC and 15 pin connectors through the slot, and at the same time align the A2065 board with the selected slot. Align the front edge of the board with the plastic groove inside the front of the Amiga.

Make sure that the board is free of all cables. Apply even pressure to insert the board into the slot. Secure the A2065 to the back of the Amiga using the screw that held the slot cover.

4. Replace the Amiga’s Cover

Replace the Amiga’s cover. Reconnect all cables and peripherals to the computer. Your A2065 is now installed.

If your network uses Thin Ethernet cable, connect a BNC T-connector to the BNC connector located on the Ethernet board, and connect the cable from your network into this T-connector. Open BNC connectors on network cables and T-connectors should be terminated with BNC terminator caps. If your network uses Thick Ethernet, plug the fifteen pin connector from your transceiver cable into the connector located on the Ethernet board’s bracket.

NOTE: If you are connecting the A2065 to an existing network, consult your network administrator.
TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Ethernet type</th>
<th>Thick Ethernet 10BASE5</th>
<th>Thin Ethernet (Cheapernet) 10BASE2</th>
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<tbody>
<tr>
<td>Data rate</td>
<td>10 Mbps</td>
<td>10 Mbps</td>
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<td>Segment length</td>
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<td>without repeaters</td>
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<td>Network length</td>
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<td>Nodes per segment</td>
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<td>Minimum node spacing</td>
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<td>0.5 meters</td>
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<td>Cable/connector</td>
<td>0.4 inch diameter 50 ohm</td>
<td>0.2 inch diameter 50 ohm</td>
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<tr>
<td>Transceiver cable</td>
<td>0.38 inch diameter multiway cable with 15 pin D connectors maximum length: 50 meters</td>
<td>not required</td>
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