



MAN-821-QH  
8-1-01



Thank you for purchasing the Olympus II motherboard. Please take a few minutes to review this quick guide before beginning the installation process. If you require a further explanation of any item covered in this guide, please refer to the installation instructions on your CD.

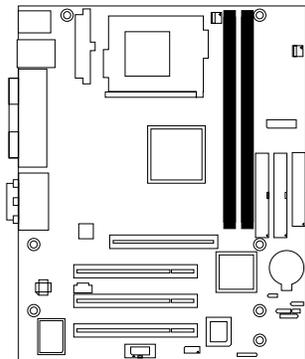
**Contents for the Olympus II motherboard (Series 821)**

You should have received the following:

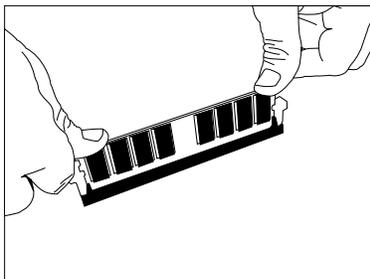
- an Olympus II motherboard
- one nine-pin serial cable with a D-type connector
- one floppy cable and ATA-66 IDE cable
- a warranty card
- the *Olympus II User's Guide* (located on the driver CD)
- driver CD
- back panel I/O shield and decal

**Step 2 Install Memory**

The Olympus II has two 72-bit SDRAM DIMM (Dual Inline Memory Module) sockets. The minimum amount of system memory supported by the Olympus II motherboard is 32 MB. You can use a 32 MB, 64 MB, 128 MB, or a 256 MB 168-pin 3.3V SDRAM either of the two available slots in any combination.



Locate the DIMM slot(s) you will be using. Match the DIMM module and DIMM slot so that the notches align properly. Insert the module by sliding it straight down into the slot. Using your thumbs, press down on the module until the tabs lock into place.



**Technical Support**

If you need help installing, configuring, or running the Olympus II 821, call American Megatrends technical support at 770-246-8645.

Technical Support Web Site: <http://www.ami.com/support/>

Technical Support Email: [support@ami.com](mailto:support@ami.com)

**Hardware Installation**

Use the following steps to install the motherboard.

Step	Action
1	Unpack the Motherboard (and check jumper settings)
2	Install Memory
3	Install CPU and Connect CPU Heatsink and Fan
4	Install the Motherboard (and I/O shield)
5	Attach Internal Cables
6	Install Expansion Boards
7	Connect External Cables
8	Install Drivers
9	Test and Configure

For a detailed description of the steps above, including jumper settings and pin outs, see the *Olympus II User's Guide*.

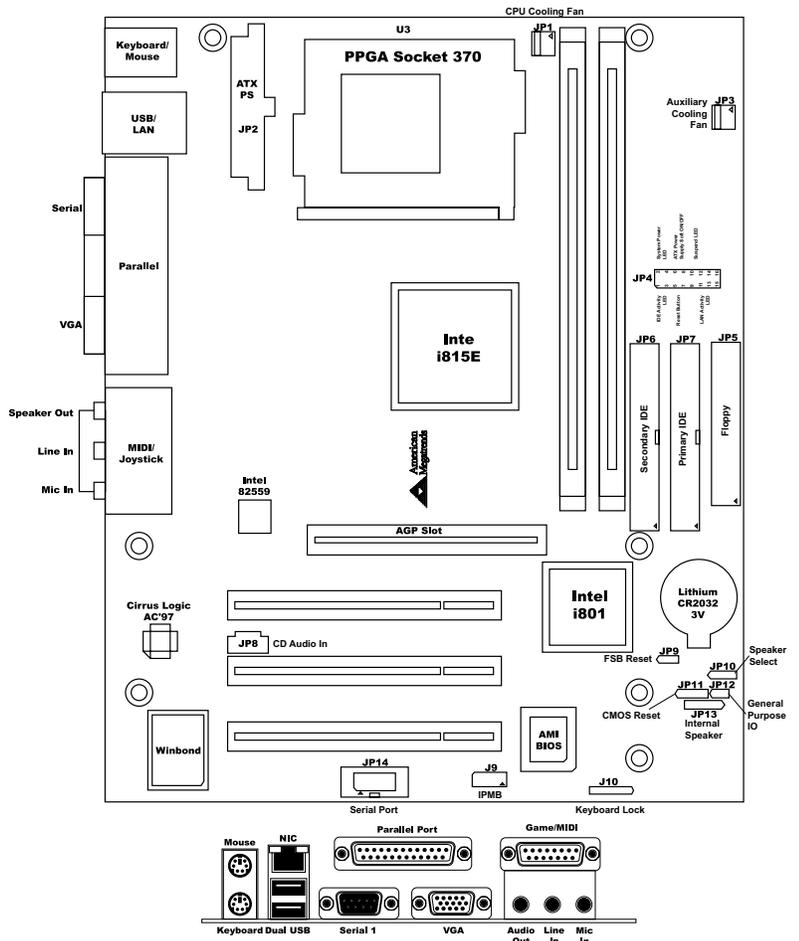
**Step 1 Unpack the Motherboard (and check jumper settings)**

Inspect the cardboard carton for obvious damage. If damaged, call 770-246-8600. Leave it in its original packing. Perform all unpacking and installation procedures on a ground-connected anti-static mat.

Check the following jumpers:

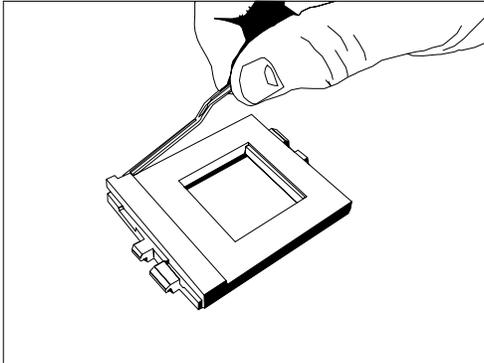
Jumper	Setting
JP9 FSB Reset	Confirm that JP9 is not shorted by a jumper.
JP10 Speaker Select	Confirm that pins 1 and 2 are shorted.
JP11 CMOS Reset	Confirm that pins 1 and 2 are shorted.

**Olympus II Motherboard Layout**

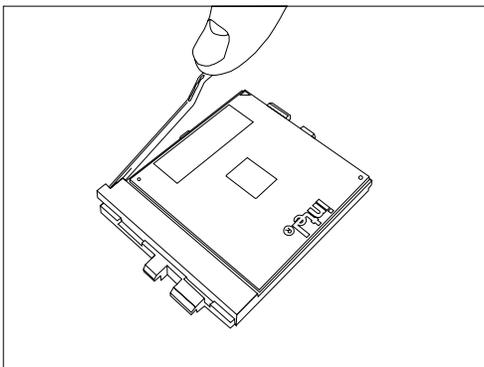


### Step 3 Install CPU and Connect Heatsink and Fan

Lift the lever on the ZIF socket.

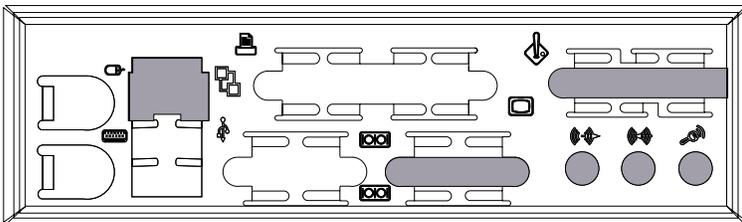


Place the CPU into the ZIF socket. The CPU can only be inserted one way. It fits snug and does not require force to be inserted. Once inserted, depress the lever to secure the CPU to the ZIF socket.

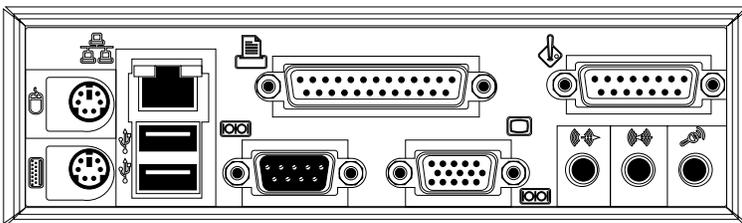


### Step 4 Install the Motherboard (and I/O shield), Continued

Remove the I/O shield that is currently installed in the chassis if applicable. Locate the I/O shield that came with the Olympus 2 and remove the extra metal plates that cover the openings for the LAN, VGA, MIDI/Game, Audio Out, Line In, and MIC In ports. These ports are highlighted in gray in the illustration below:



Locate the I/O shield label and remove the protective backing. Attach it to the I/O shield. Install the Olympus 2 I/O shield into the chassis. Carefully slide the motherboard into the chassis. Make certain the edge connectors fit the I/O shield port openings in the rear of the chassis. The motherboard should rest level with the chassis.

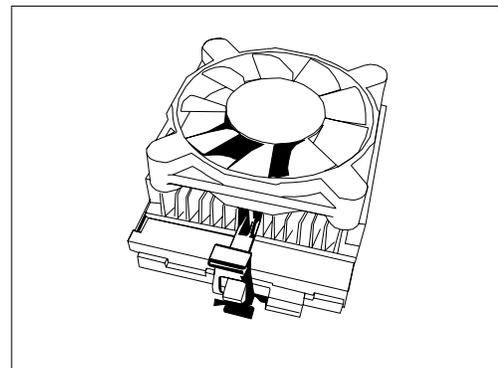


Place the mounting screws in the holes provided and tighten them. If necessary, shift the motherboard slightly to align the mounting holes on the motherboard with the holes on the chassis.

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### Step 3 Install CPU and Connect Heatsink and Fan, Continued

To install the heatsink and cooling fan, place the heat sink on top of the CPU and clip it to the ZIF socket.



Connect the fan power cable to the adjacent CPU Fan header JP1.

### Step 4 Install the Motherboard (and I/O shield)

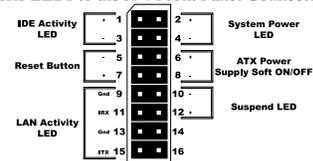
Place the chassis on an anti-static mat. Connect the chassis to ground to avoid static damage during installation. Connect an alligator clip with a wire lead to any unpainted part of the chassis. Ground the other end of the lead at the same point as the mat and the wristband.

Rotate the chassis so the front is to the right, and the rear is to the left. The side facing you is where the motherboard is mounted. The power supply is mounted at the far end of the chassis.

Hold the motherboard with the component-side facing up. The printer, serial, VGA, LAN, and dual USB ports should be to the left.

### Step 5 Attach Internal Cables

Attach the IDE and Floppy cables from the board to your drives. Connect the internal speaker to JP13. Connect the front bezel Chassis LEDs to the JP4 Front Panel Connector.



Connect the power supply cable.

### Step 6 Install Expansion Boards

Install your AGP and PCI expansion boards. Close the chassis.

### Step 7 Connect External Cables

Connect your mouse and keyboard. Connect your USB devices. Connect your VGA monitor. Connect RJ45 LAN cable. Connect your printer.

### Step 8 Install Drivers

Install the software drivers.

### Step 9 Test and Configure

Test the board and make sure the configurations are correct.

