



# Tech Info Library

## PCI-Based Power Macintosh: Get Ethernet Address (10/96)

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Security: Everyone

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TOPIC -----

I have a Power Macintosh 9500 and I am unable to use GetMyAddress to determine the Ethernet address of the built-in Ethernet on my Power Macintosh 9500. How can I get the address?

DISCUSSION -----

Current versions of GetMyAddress and other network utilities may not work with System 7.5.2 that came on some PCI-based Power Macintosh computers like the 7200, 7500, 8500, and 9500. You have a number of options.

If you have a Power Macintosh 9500 computer with version 1.0 of the System Enabler 701, you should update to System 7.5.3 or later with Open Transport 1.1 or later. You can then find the hardware Ethernet address by opening the AppleTalk control panel and clicking the Info button in either the Advanced, or Administrator mode.

You can also use one of the following to find the Ethernet address:

Apple LAN Utility 1.0b4e1  
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Obtain a copy of the Apple LAN Utility, version 1.0b4e1. This utility can locate the physical Ethernet address on a Power Macintosh 7200, 7500, 8500, and 9500 computers. Look for this updated utility on Apple's online software update locations.

IMPORTANT: The Apple LAN Utility, version 1.0b4e1 is not an officially supported solution, but has worked for other users in the past. Please refer to the Apple LAN Utility 1.0b4e1 ReadMe file by searching for the Technical Information Library article titled, "Apple LAN Utility 1.0b4e1: Read Me File."

The Apple LAN Utility is provided to perform the following tasks:

- Obtain the burned-in address without connecting to a network.
- Override the burned-in address with a locally-administered address (this may be required for SNA, DECNet, and other environments).
- Set the speed for Token Ring interfaces that are software selectable.

The utility is intended to handle all Apple Ethernet and Token Ring interfaces, whether built-in or on cards. When run, the utility opens one window per network interface present in the computer, describing what its configuration will be the next time that interface is activated. This utility makes no attempt to alter the current operation of an active interface.

#### Standard UNIX Tools

Many system administrators may require Ethernet hardware addresses for bootpd and rarpd configurations. If you are using a UNIX host for these network configuration services, you can use standard UNIX tools to determine the hardware address. Follow these steps:

- 1) Configure TCP/IP to the desired IP address
- 2) Ping the Power Macintosh with Open Transport from a UNIX workstation.
- 3) Use arp to display address resolution table. For example, in A/UX the command would be "arp -a".

The Tech Info Library article titled "Locating Vendor Information" can help you search for the Apple Order Center's phone number.

These articles can help you locate the Apple LAN Utility 1.0b4e1 software update mentioned here:

"Where To Find Apple Software Updates" -- Lists online services for free Apple software updates.

"Obtaining Apple Product Support in the USA" -- Lists 800 numbers and online services for software updates, Apple support information, and a subset of the Apple Tech Info Library.

#### Article Change History:

- 07 Nov 1996 - Added mode information on the AppleTalk control panel.
- 23 Aug 1996 - Added AppleTalk control panel solution.
- 27 May 1996 - Updated for technical accuracy.

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