

Hardware/MAC address (Wired, Wireless and Ethernet Dongle)

Questions Addressed

- What is a MAC address?
- How do I find my Hardware/MAC address in Mac OS 10.5 or 10.6

MAC Address:

A MAC (media access control) address or otherwise known as the hardware address or ethernet ID/address is a unique identifier assigned to most network adapters or network interface cards (NIC's) by the manufacturer for identification. In OS X the MAC/hardware address is commonly labeled as the ethernet ID/address.

MAC Addresses are typically written in hexadecimal (hex code) in the following formats:

For example:

00:80:c8:87:b8:a0

00 80 c8 87 b8 a0

0080:c887:b8a0

0080C887B8A0

- **Apple Computers**
 - **Windows Computers**
 - **Linux Computers**
 - **iPhone/iPad**
-

Apple Computers:

From the box:

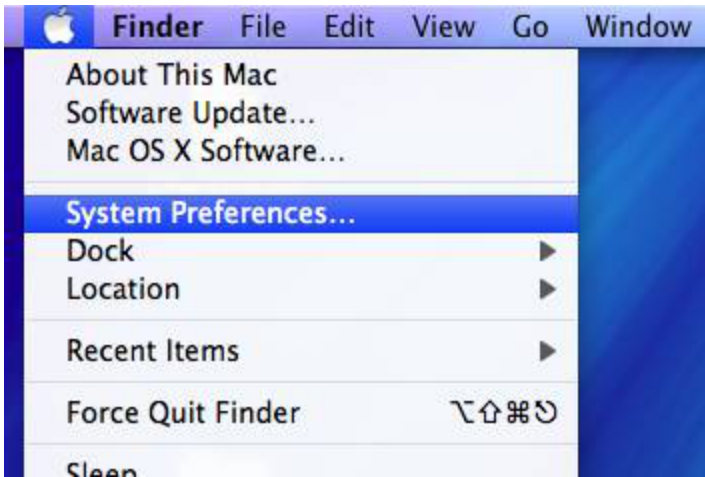
Apple computers come with their mac address printed on a label on the exterior of their box with bar codes.

- **Airport ID** is the wireless MAC address.
- **Ethernet ID** is the wired MAC address.

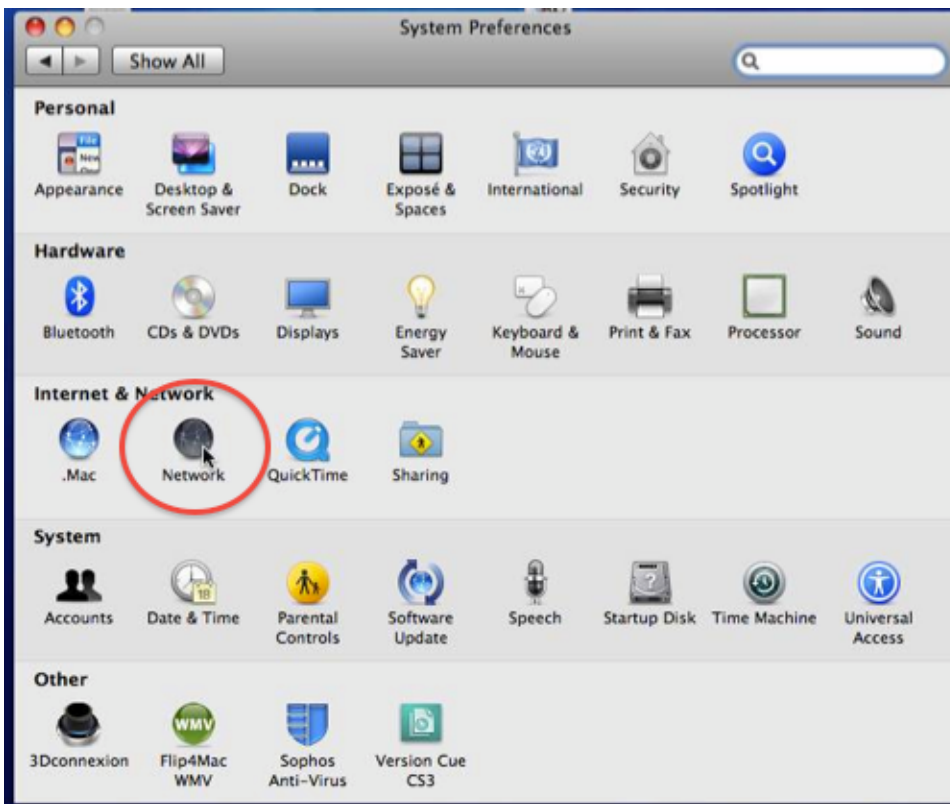
From the OS:

To Find Your Hardware Address in OS 10.5 and later

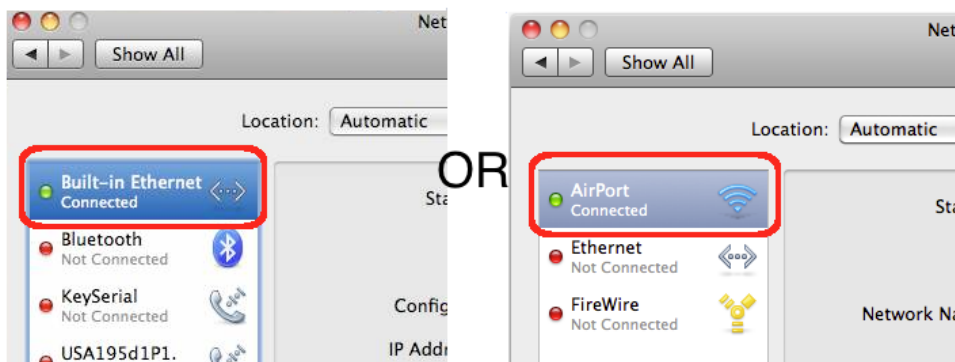
1. Open System Preferences.

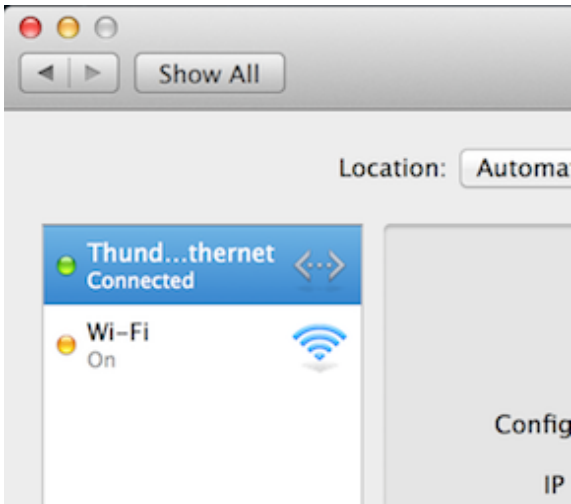


2. Click the Network icon.

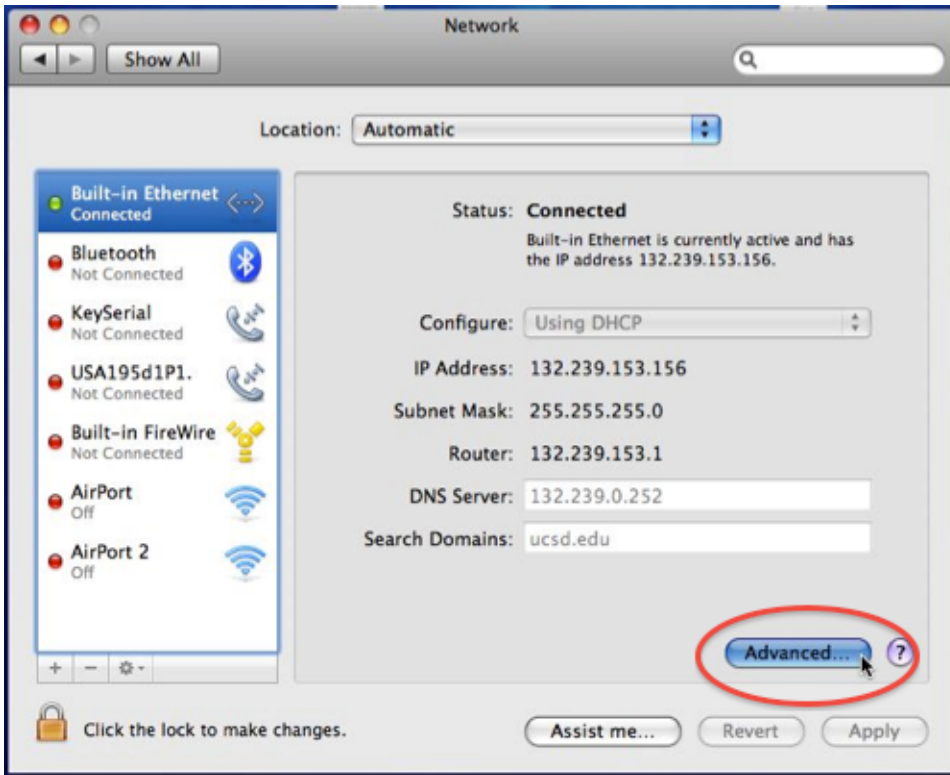


3. Select the network card that you would like to get the MAC address for (Ethernet, Airport, Dongle, or Thunderbolt Display) OR (Ethernet Dongle must be connected to obtain MAC address)

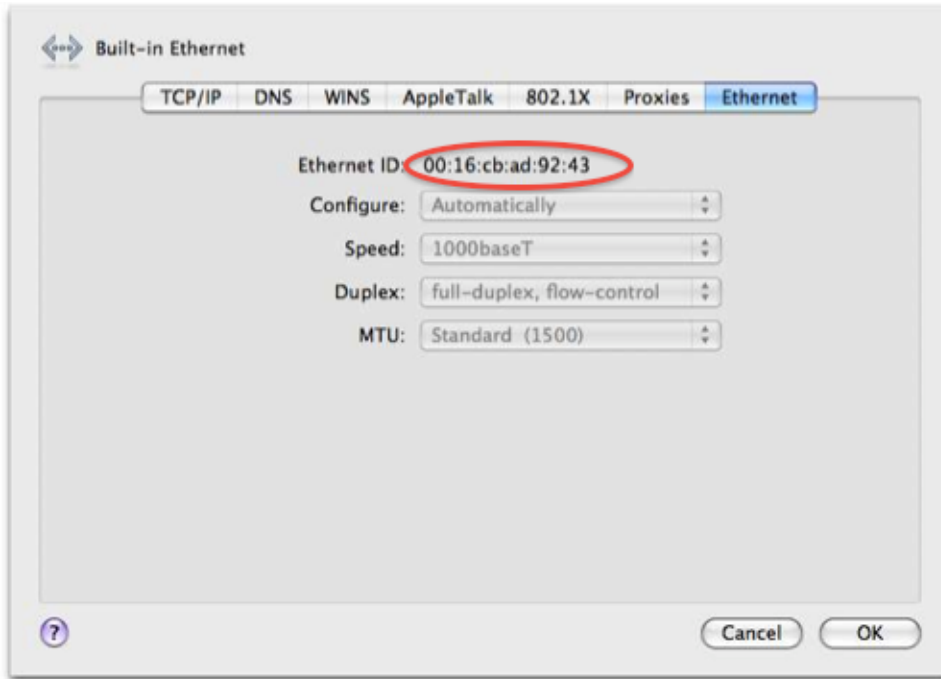




4. Click the "Advanced" button



5. Click the "Hardware" tab.

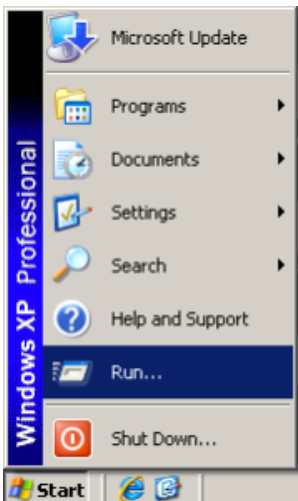


6. Your Hardware Address/MAC address is displayed here after "MAC Address:"

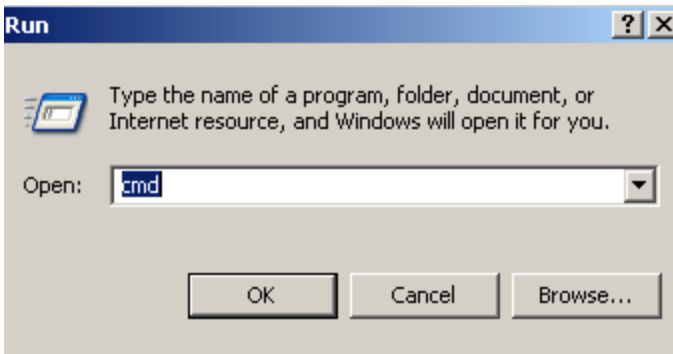
To use your computer on IGPP network you will need to register this MAC address by filling out the [Host Registration Form](#).

Windows Computers:

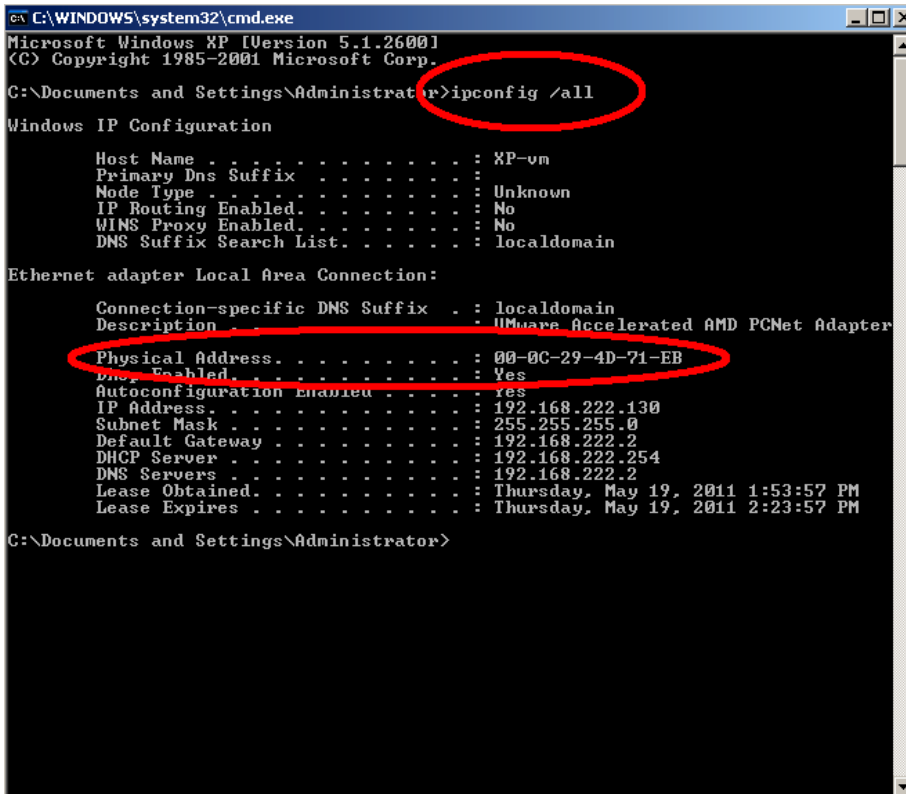
1. Click on the **Start** button.
2. Select **Run**.



3. In the empty field type **cmd** and press **OK**.



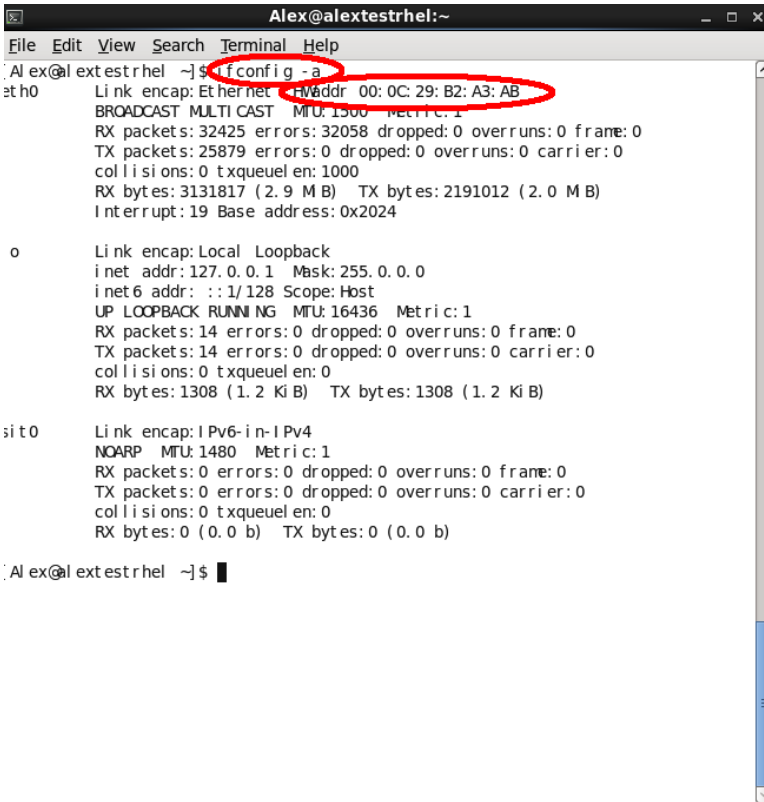
4. In the windows that opens type **ipconfig /all** and press enter/return.
5. The MAC address will be labeled as **Physical Address**.



Linux Computers:

1. Open a new terminal window.
2. Type in **ifconfig -a** and press enter/return.

3. The MAC address will be labeled as **HWaddr**.



```
Alex@alexestrhel:~$ ifconfig -a
eth0      Link encap:Ethernet HWaddr 00:0C:29:B2:A3:AB
          BROADCAST MULTICAST  MTU:1500  Metric:1
          RX packets:32425 errors:32058 dropped:0 overruns:0 frame:0
          TX packets:25879 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:3131817 (2.9 MB)  TX bytes:2191012 (2.0 MB)
          Interrupt:19 Base address:0x2024

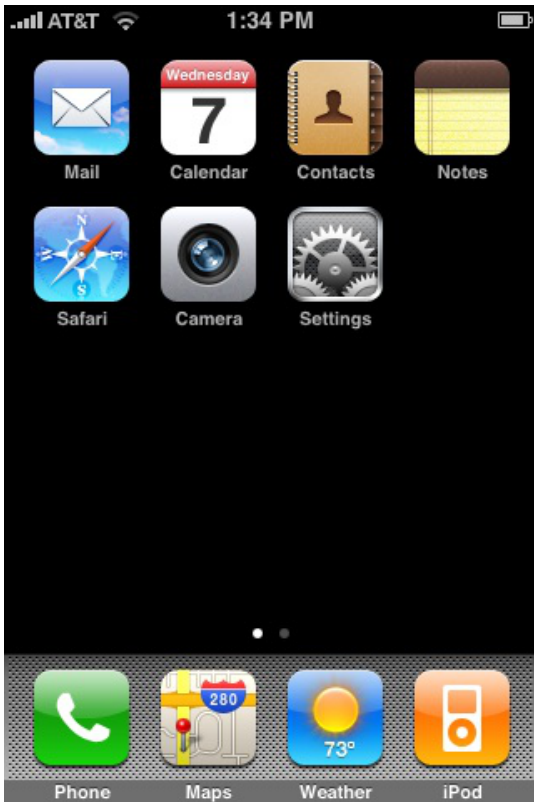
lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:16436  Metric:1
          RX packets:14 errors:0 dropped:0 overruns:0 frame:0
          TX packets:14 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:1308 (1.2 KiB)  TX bytes:1308 (1.2 KiB)

sit0     Link encap:IPv6-in-IPv4
          NOARP  MTU:1480  Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:0 (0.0 b)  TX bytes:0 (0.0 b)

Alex@alexestrhel ~]$
```

iPhone/iPad:

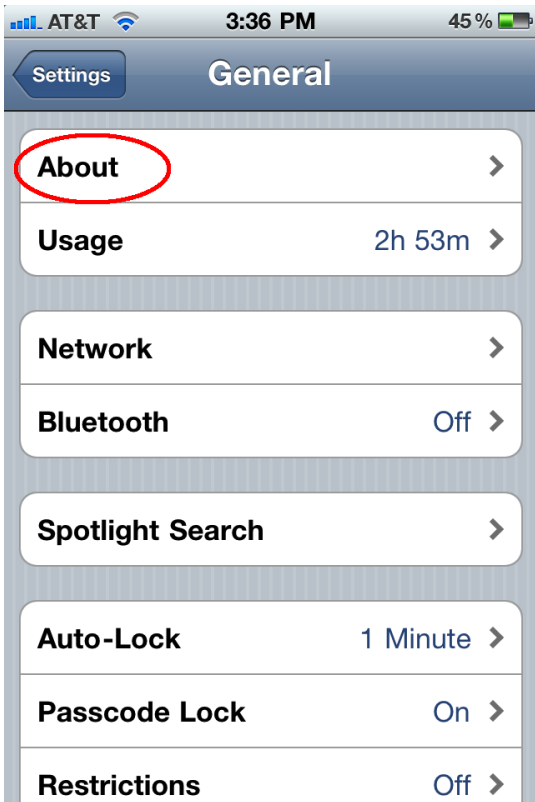
1. Select **Settings** from your home menu.



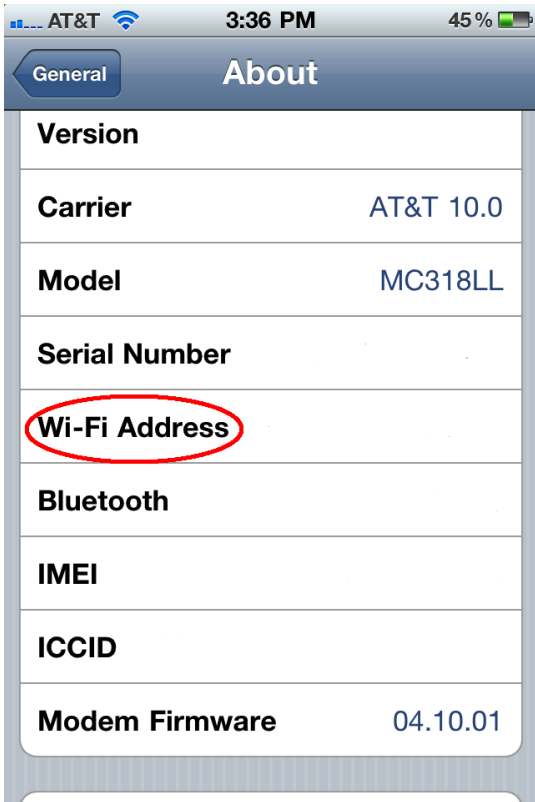
2. Select **General**.



3. Select **About**.



4. The MAC address is labeled as **Wi-Fi address**.



If you need further assistance, please [contact IGPP HelpDesk](#) .