How can I find my MAC Address of my Ethernet interface?

Q: How can I find my MAC Address of my Ethernet interface?

Answer

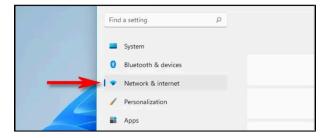
This article explains how to determine your MAC address. To get started, scroll to your operating system below:

On this page:

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Windows 11
Windows 7 and Windows 10
Windows 7 (alternate method)
Windows 10 (alternate method)
Mac OS X 10.9 (Mavericks) to macOS 12 (Monterey)
macOS 13 (Ventura)
MacOS 14 (Sonoma)
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Windows 11

1.) Open Settings by pressing Windows+I key on your keyboard. When this opens, navigate to the Network and Internet



2.) In the Network & Settings, click on "Advanced Network Settings, then select "Hardware and Connections Properties"

← Settings		
8	\cdots > Advanced network set	ttings
	Bluetooth Network Connection Bluetooth Device (Personal Area Network)	Disable
Find a setting D		
System	More settings	
Bluetooth & devices	Data usage	;
 Network & internet 		
Personalization	Hardware and connection properties	;
Apps	Network reset	
• Annuala	Reset all network adapters to factory settings	

3.) In Hardware and Connection Properties, you will see a list of information about all the network adapters installed on your PC. Locate the the adapter you want to find the MAC address for in the list (such as "Wireless Network Adapter" for your Wi-Fi Connection). You will see the MAC address Listed beside "Physical Address (MAC).

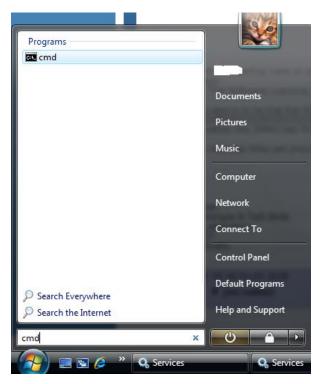
i la avai e alla	connection properties
Name:	Wi-Fi
Description:	Wireless Network Adapter
Physical address (MAC):	2b:fc:f3:f3:f3:2b
Status:	Operational
Maximum transmission unit:	1500
Link speed (Receive/Transmit):	866/866 (Mbps)
DHCP enabled:	Yes
DHCP servers:	192.168.1.1
DHCP lease obtained:	Thursday, October 14, 2021
DHCP lease expires:	Friday, October 15, 2021
IPv4 address:	192.168.1.24
IPv6 address:	
IPv4 default gateway:	192.168.1.1

NOTE: Each machine has its own unique MAC address.

Windows 7 and Windows 10

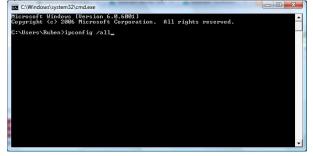
Note: The screenshots below in this section are from Windows 7, however the same steps will also apply to Windows 10. There will just be cosmetic differences in the actual screens displayed.

1. Go to the Start menu and in the Search box, type cmd. Click the cmd (Command Prompt) icon in the results.



Result: This will bring up the Command Prompt.

2. Type in ipconfig /all and press Enter.



Result: This will bring your IP configuration in a verbose format.

- For your wired MAC address, look for a section labeled "Ethernet Adapter Local Network Connection."
 There may be more than one Local Area Connection. If so they will be labeled *Local Area Connection 2, Local Area Connection 3*, etc. Your MAC address is labeled "Physical Address", and is a 12 character alpha numeric string.
- · For your wireless IP address, look for a section labeled "Wireless LAN adapter Wireless Network Connection." Again, your MAC address is labeled "Physical Address", and is a 12 character alpha numeric string.

Please note that it may be necessary to scroll up if you have many network devices.

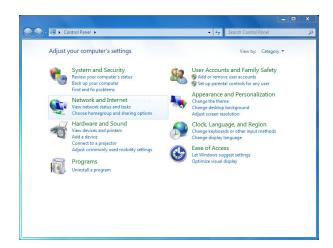
ireless LAN adapter Wi								
Connection-specific	DNS	Sι	ιff	ix				mit.edu
Description								Intel(R) Wireless WiFi Link 4965AG
Physical Address							-	00-13-E8-A3-78-4F
DHCP Enabled								
Autoconfiguration En								
								fe80::3de1:3718:970a:5005z13(Preferred)
IPv4 Address							Ξ	18.111.57.65(Preferred)
Subnet Mask							Ξ	255.255.224.0
Lease Obtained								Thursday, June 04, 2009 11:36:34 AM
Lease Expires								Saturday, June 06, 2009 1:22:03 PM 18.111.32.1
Default Gateway								18.111.32.1
DHCP Server							=	18.7.50.68
DNS Servers							Ξ	
								18.70.0.160
								18.72.0.3
NetBIOS over Topip.								Enabled
hernet adapter Blueto	oth	Ne	etu	or	k	Co	וחו	nection:
Media State	2002		-					Media disconnected
Connection-specific								
Description							-	Bluetooth Device (Personal Area Network)
Physical Oddusso								00-1C-26-FF-AF-70

Windows 7 (alternate method)

1. Open the Start Menu and open the Control Panel.

	Documents
	Downloads
	Computer
	Control Panel
	Devices and Printers
	Default Programs
	Help and Support
All Programs	
Search programs and files	🕐 Shut down 🕨

2. Click Network and Internet.



3. Click Network and Sharing Center.



4. For the interface you are trying to obtain the MAC address for (wired or wireless), click on the link on the left-hand column under View your active networks next to Connections. In the screenshots below, it is Local Area Connection for Wired and Wireless Network Connection (MIT) for Wireless.

|| Wired || Wireless ||

🌍 🗢 👯 « Network and Inf	remet Network and Sharing Center	🕒 🗢 🙀 « Network and In	nternet Network and Sharing Center
ontrol Panel Home	View your basic network information and set up connections	Control Panel Home	View your basic network information and set up connections
lanage wireless networks	See full map	Manage wireless networks	🚺 🚺 See
hange adapter settings	ECBYPI-LLP Network Internet	Change adapter settings	ECBYPI-LLP MIT Internet
hange advanced sharing	(This computer)	Change advanced sharing	(This computer)
ettings	View your active networks Connect or disconnect	settings	View your active networks Connect or dis
			Access type: Internet
	Work network Access type: Internet Work network Connections: U Local Area Connection		MIT Connections: all Wireless Network Con
	Work network Connections: U Local Area Connection		(MIT)
	Change your networking settings		Change your networking settings
	Set up a new connection or network		Set up a new connection or network
	Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or access		Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or
	point.		point.
	Connect to a network		Connect to a network
	Connect or reconnect to a wireless, wired, dial-up, or VPN network connection.		Connect or reconnect to a wireless, wired, dial-up, or VPN network connection.
	Choose homegroup and sharing options		Choose homegroup and sharing options
	Access files and printers located on other network computers, or change sharing settings.		Access files and printers located on other network computers, or change sharing settir
ee also	Troubleshoot problems	See also	Troubleshoot problems
lomeGroup	Diagnose and repair network problems, or get troubleshooting information.	HomeGroup	Diagnose and repair network problems, or get troubleshooting information.
iternet Options	6 285 vi vi vii	Internet Options	
/indows Firewall		Windows Firewall	

5. In the Status window that appears, click on the Details button.

|| Wired || Wireless ||

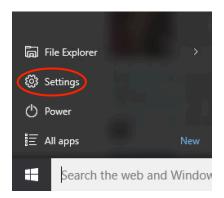
eneral		General	
Connection IPv4 Connectivity: IPv6 Connectivity: Media State: Duration: Speed: Details	Internet No network access Enabled 00:22:41 100.0 Mbps	Connection IPv4 Connectivity: IPv6 Connectivity: Media State: SSID: Duration: Speed: Signal Quality: Details Wireless	Internet No network access Enabled MIT 00:17:24 48.0 Mbps
Activity Sent 📢	Received	Activity Sent —	Received
Bytes: 553,692	63,622	Bytes: 1,519,82:	1 83,290,471

6. In the window that appears, look for the **Physical Address**. This is the MAC address your computer has on the network interface you are checking (wired or wireless)

	Network Connection Details:	
Value	Property	Value
mit.edu	Connection-specific DN	mit.edu
Broadcom NetXtreme 57xx Gigabit Co	Description	Dell Wireless 1390 WLAN Mini-Card
00-14-22-F9-B3-AD	Physical Address	00-19-7D-87-21-7A
Yes	DHCP Enabled	Yes
18.246.6.111	IPv4 Address	18.111.109.237
255.255.0.0	IPv4 Subnet Mask	255.255.224.0
Friday, September 10, 2010 6:28:21 P ≡	Lease Obtained	Friday, September 10, 2010 6:06:51 P
Friday, September 10, 2010 7:28:21 P	Lease Expires	Saturday, September 11, 2010 6:21:1
18.246.0.1	IPv4 Default Gateway	18.111.96.1
18.69.0.33	IPv4 DHCP Server	18.7.50.68
18.71.0.151	IPv4 DNS Servers	18.71.0.151
18.70.0.160		18.70.0.160
18.72.0.3		18.72.0.3
	IPv4 WINS Server	
Yes	NetBIOS over Tcpip En	Yes
fe80::75d9:5b21:c1c9:56f6%11 +	Link-local IPv6 Address	fe80::6c:2175:8df1:9cf2%12
III •		4 m
	mit.edu Broadcom NetXtreme 57∞ Gigabit Co 00-14-22-F9-B3-AD Yes 18.246.6.111 255.255.0.0 Friday, September 10, 2010 6:28:21 P Friday, September 10, 2010 7:28:21 P 18.246.0.1 18.690.033 18.71.0.151 18.70.0.160 18.72.0.3 Yes fe80::75d9:5b21:c1c9:56f6%11	mit.edu Connection-specific DN Broadcom NetXtreme 57∞ Gigabit Co Description 00-14-22-F9-B3-AD Physical Address Yes DHCP Enabled 18.246.6.111 IPv4 Address 255.255.0.0 IPv4 Subnet Mask Friday, September 10, 2010 6:28:21 P E 18.246.0.1 IPv4 Subnet Mask 18.246.0.1 IPv4 Default Gateway 18.690.33 IPv4 DHCP Server 18.70.0.160 IPv4 DNS Servers 18.72.0.3 IPv4 WINS Server Yes IPv6 Address Fe80::75d9:5b21:c1c9:56f6%11 IV4 Address

Windows 10 (alternate method)

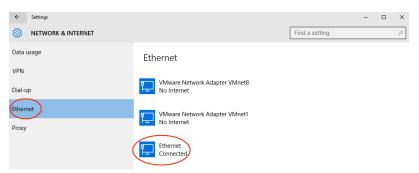
1. Go to Start > Settings.



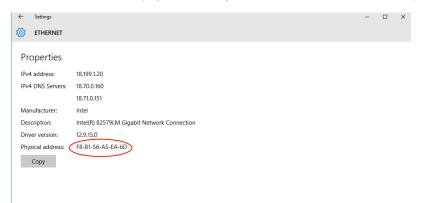
2. Once the Settings page opens click on Network & Internet.

Settin	gs				>	<
<u>نې</u>	SETTINGS			Find a setting	عر	7
	System Display, notifications, apps, power	Devices Bluetooth, printers, mouse	Network & Internet Wi-Fr, airplane mode, VPN	Personalization Background, lock screen, colors	Accounts Your accounts, email, sync, work, other users	
	公式 Time & language Speech, region, date	Ease of Access Narrator, magnifier, high contrast	Privacy Location, camera	Update & security Windows Update, recovery, backup		

3. Select Ethernet from the left hand side and select your Ethernet interface on the right hand side.



4. The Mac address will be displayed next to Physical address and is a 12 character alpha numeric string.



Mac OS X 10.9 (Mavericks) to macOS 12 (Monterey)

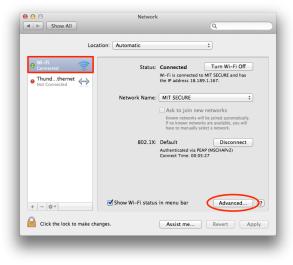
1. Click on the Apple icon in the top left, and click on **System Preferences**, or open System Preferences from your Dock.



2. In the System Preferences window, click on **Network**.

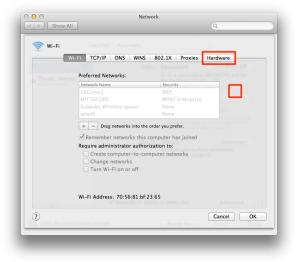


3. In the resulting network window, there will be network interfaces listed on the left. For your wired MAC address, select **Built-in Ethernet**, and then click **Advanced**. For your wireless MAC address, select **Wi-Fi** or **Airport**, and then click **Advanced**.



4. On the resulting screen, look on the tabs across the top for the Ethernet or Hardware tab. This screen may look slightly different

depending on whether you selected Built-in Ethernet or Wi-Fi in the previous step.



5. Your MAC address is labeled Ethernet ID or MAC Address, and should be six groups of two letters and numbers, separated by colons.

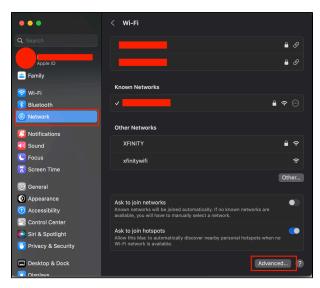
Wi-Fi	TCP/IP DNS	WINS 802.1X Proxie	es Hardware
	MAC Address:	70:56:81:bf:23:65	
	Configure:	Automatically	\$
	MTU:	Standard (1500)	* *
?			Cancel OK

macOS 13 (Ventura)

1.) From the Apple Logo in the top left corner of the display, choose from the drop down choose System Settings



2.) From the sidebar, chose Network. Then scroll all the way down and click on Advanced.



3.) The next screen that appears will have your MAC address.

•••	<	Wi-Fi		
	Require administr	ator authorization to		6
Apple ID	Change networks			• •
Family	Turn Wi-Fi on or of			
	Show legacy netwo	orks and options		
Notifications	Wi-Fi MAC addres	S S		
Sound	Known Networks			
	Network Name	O a surditu Torra		
	Network Name	Security Type WPA3 Personal		
		WPA2 Personal	⊖ ©	
😥 General		WPA3 Personal		
Appearance		WPA3 Personal		
Accessibility Control Cente		WPA2 Personal	Θ	
			Done	
Desktop & Dock				

MacOS 14 (Sonoma)

- From the Apple Logo in the top left corner of the display, choose from the drop down choose System Settings
 From the sidebar, chose Wifi. Then scroll all the way down and click on Advanced. *Result:* You Mac address will be displayed on the next screen.