

# The best Wake On Lan tool and software

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The Wake On Lan packet is usually sent from a tool or software via the UDP Port 7 and 9, then 'wake up' the device (computer, server, router, switch, etc.). Enable the Wake-On-Feature feature to allow the device to switch to **Low Power** mode to save energy when the device is not being used.

Wake On Lan must be turned on in the motherboard BIOS and on the Network / Ethernet Interface settings to work correctly. If you need remote access to the device, whether it is a terminal or a desktop computer, but still allows the device to switch to Low Power mode, then WOL is a great choice.

Below is a list of Wake On Lan software and tools that will help users to send Magic Packet to 'wake up' any device on the network. Some of these tools / software are free. Other tools have paid options with more features than free software.

## Best Wake On Lan software today

1. ManageEngine OpUtils:
2. Solarwinds Free Wake-on-Lan Tool
3. Depicus Wake On Lan GUI
4. NirSoft WakeMeOnLan
5. Aquilatech WOL
6. MatCode MC-WOL Tool
7. WakeUp 1.01
8. Hm Software NL Wake On Lan (Windows 10 only)
9. EMCO WakeOnLan
10. Gammadyne Free WOL Command-line Tool

### 1. ManageEngine OpUtils:

OpUtils' **Wake-on-LAN** tool enables IT admins to wake up machines remotely on demand and boot up a single machine or a group of computers simultaneously with this tool broadcasting packets to your network devices.

You can create custom machine groups, schedule wake-up, and view device status and last wake-up time, that are automatically updated in the database.

**OpUtils** offers,

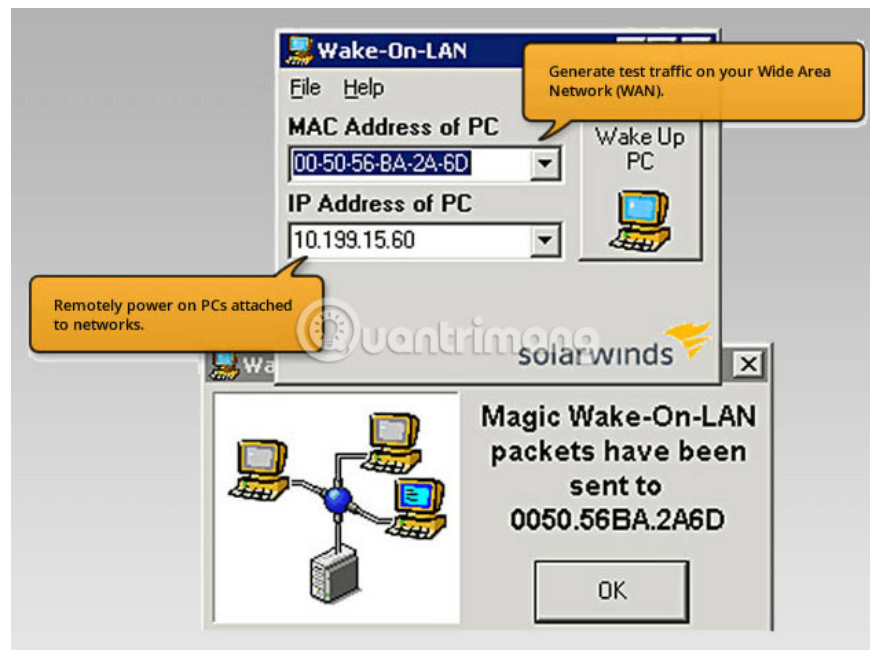
1. Both manual and scheduled wake-up
2. Automatic discovery of MAC addresses of the systems in the network
3. Ability to boot systems across VLANs

and more IP address management and switch port management capabilities.

**Try OpUtils' 30-days free trial here.**

Picture 1 of The best Wake On Lan tool and software

## 2. Solarwinds Free Wake-on-Lan Tool

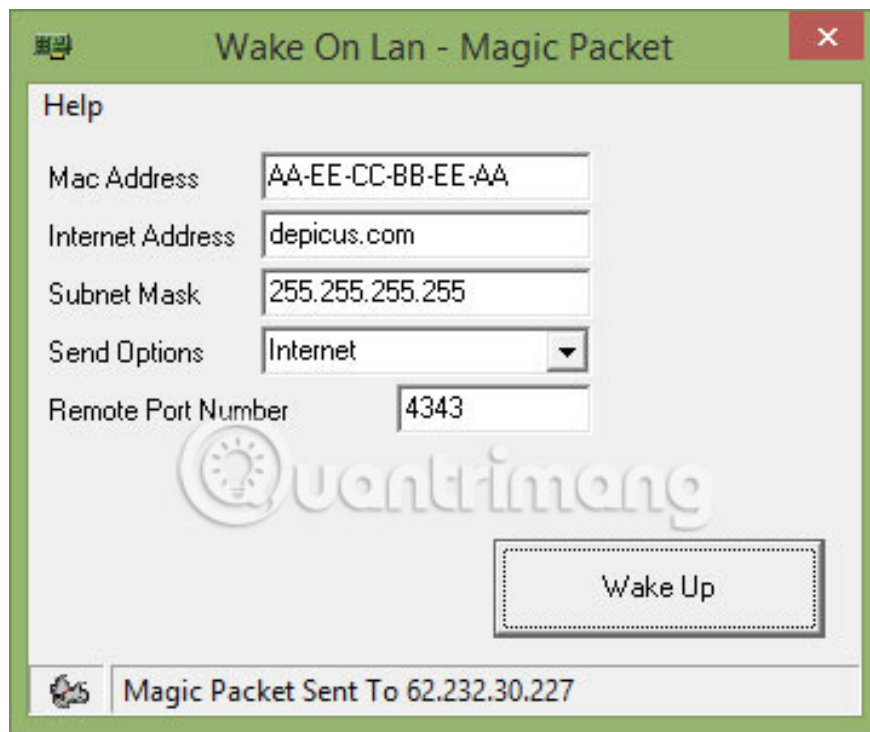


This Solarwinds free tool supports typical WOL functions, including creating and sending a Magic Packet package, which strengthens the machines that are turned off on the network.

Some of the main features of this tool include:

1. Start the PC / server in the network with this free utility by specifying the computer's IP address or MAC address.
2. Support to start the PC that is turned off and turn on WOL on the network interface.
3. This is a simple and free tool.

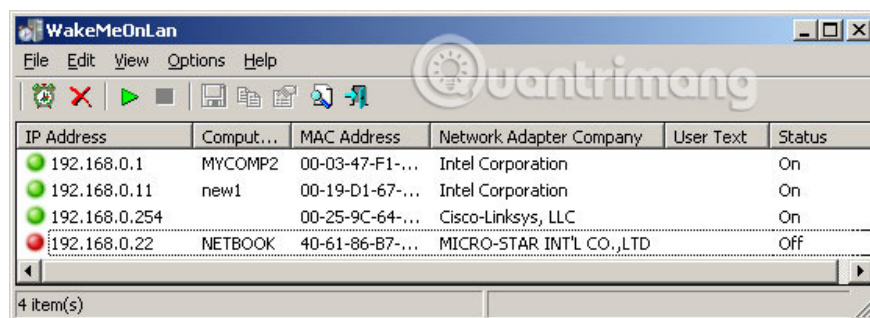
## 3. Depicus Wake On Lan GUI



Depicus WOL Tool has an updated interface, allowing users to send Magic Packet via FQDN, IP address or Mac address.

The updated version has a new interface, consistent with the Windows 7 & 8 GUI and provides users with the ability to specify Port Number!

## 4. NirSoft WakeMeOnLan



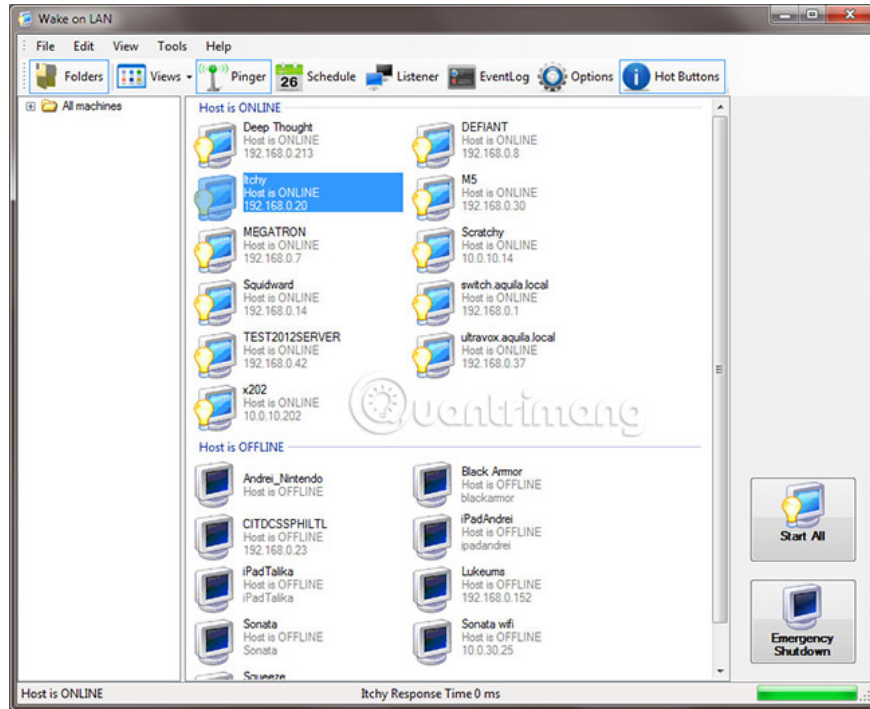
Nirsoft has a long list of tools to support administrators and network engineers to perform daily tasks, including remote WOL features for new systems, including Windows 10 and above.

Some features of Nirsoft WakeMeUpOnLan include:

1. Scan the network to find all IP addresses or Mac addresses.
2. Save the list of IP addresses and Mac addresses to the local file.
3. Option to send broadcast address (broadcast is the term used in computer network to describe how communication is sent from 1 point to all other points in the same network) for Windows 10 & 8 meeting systems trouble.

4. Send Magic Packet packages to multiple PCs at the same time.
5. Ability to use command line as well as GUI.
6. New features are continuously updated by NirSoft.

## 5. Aquilatech WOL



Aquilatech WOL software has a lot of remarkable features that many users really like, in terms of utility and overall strength.

Aquilatech WOL main features include:

1. WOL capability "wakes up" the computer is turned off or is in Sleep / Hibernate state like other options
2. Turn off the remote computer (Need authentication information)
3. Ping the remote computer via IP or FQDN
4. Select a custom UDP port
5. Connect directly to the remote computer via RDP from within the utility
6. Schedule 'wake up' and turn off the computer at certain times or days
7. Command line features

## 6. MatCode MC-WOL Tool

## Wake-on-LAN

Version: 1.0 **free!!!**

This small command line utility makes possible to switch on a computer from a second one by sending a "Magic Packet". Both of computers can be located on the same LAN or on the different LAN segments.

### Requirements to use the WOL (Wake-On-LAN)

- An ATX motherboard with an onboard, 3-pin "WOL" connector.
- An ATX power supply that meets ATX 2.01 specifications.
- A network card that can support WOL with its cable to the motherboard properly installed.
- In the BIOS Power Management, you must enable the LAN Wakeup option.

### How to use MC-WOL

Use the following command in a Windows DOS box:

```
MC-WOL ethernet-address [/a ip-address] [/p password]
```

A description for each argument follows:

- **ethernet-address** - Ethernet MAC address of the network adapter of the destination computer.
- **ip-address** - Multicast IP address of the LAN (see below) where the destination computer is located. This argument is not required if computers are located on the same LAN.
- **password** - Is only required for a few adapter types. The password should be specified in ethernet hex format (i.e. 01:AA:02:BB or 01:AA:02:BB:03:CC:04:DD).

*Example1:* MC-WOL 00:01:02:58:A3:C7

If a target computer is on another LAN, IP address must be specified. For example you have a segment using the class C network 192.168.5.0. The broadcast ip address of this subnet is 192.168.5.255 - that's what you use as the destination IP address on the packet.

*Example2:* MC-WOL 00:01:02:5C:A1:B2 /a 192.168.5.255

This multicast packet will be delivered by router(s) to the ethernet switch that comprises the network segment.

### How to get MAC address

You can use our freeware utility MCGETMAC.EXE, to obtain ethernet address of the NIC (network interface card) of the target computer.

*Usage:* MCGETMAC ip-address or name



MatCode.com Wake on Lan command line tool without GUI. It is merely a command line and has very limited functionality.

Download MatCode.com Wake on Lan: <http://www.matcode.com/wol.htm>

## 7. WakeUp 1.01

This WakeUp utility is quite old and outdated, currently stored on Pages.google.com. This utility creates Magic Packet to wake up remote PC via the command line. Users will need the Mac address of the remote computer and make sure Wake On Lan is configured correctly on both the network interface and the BIOS.

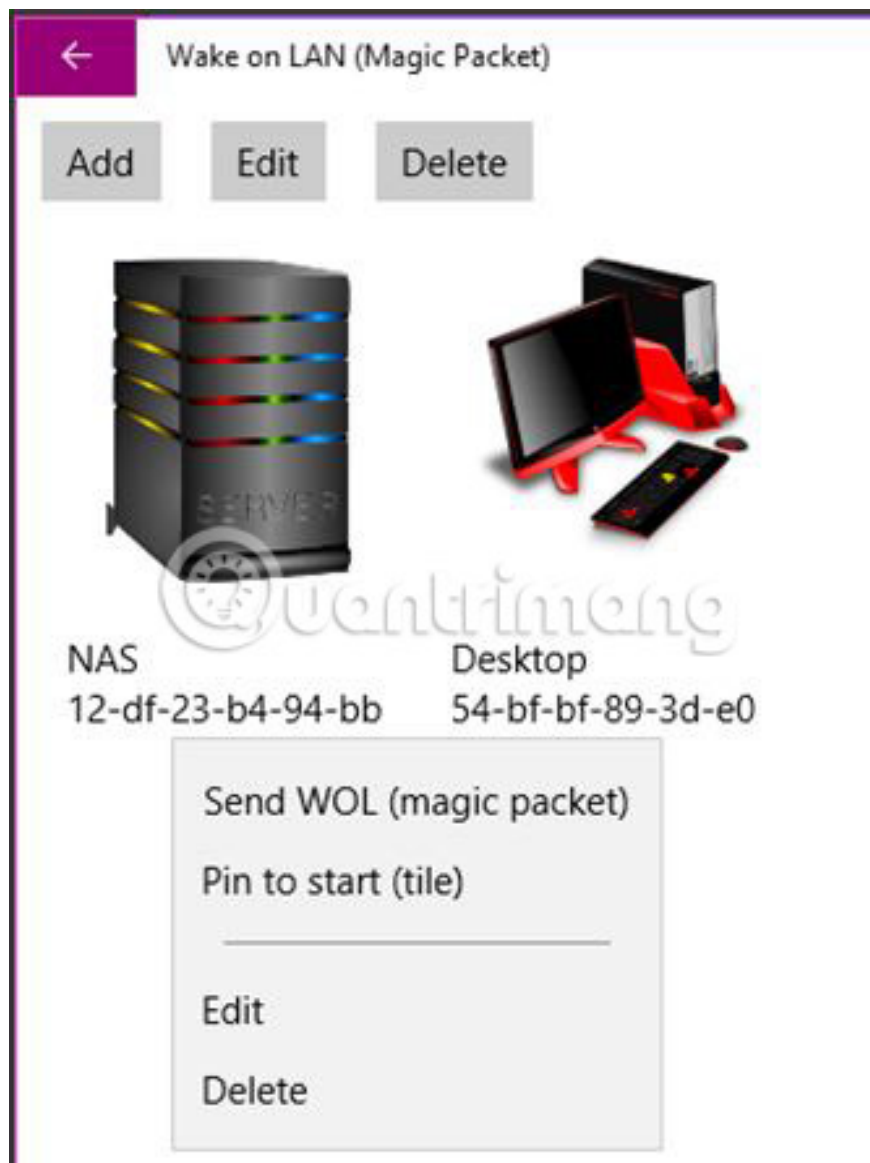
## 8. Hm Software NL Wake On Lan (Windows 10 only)



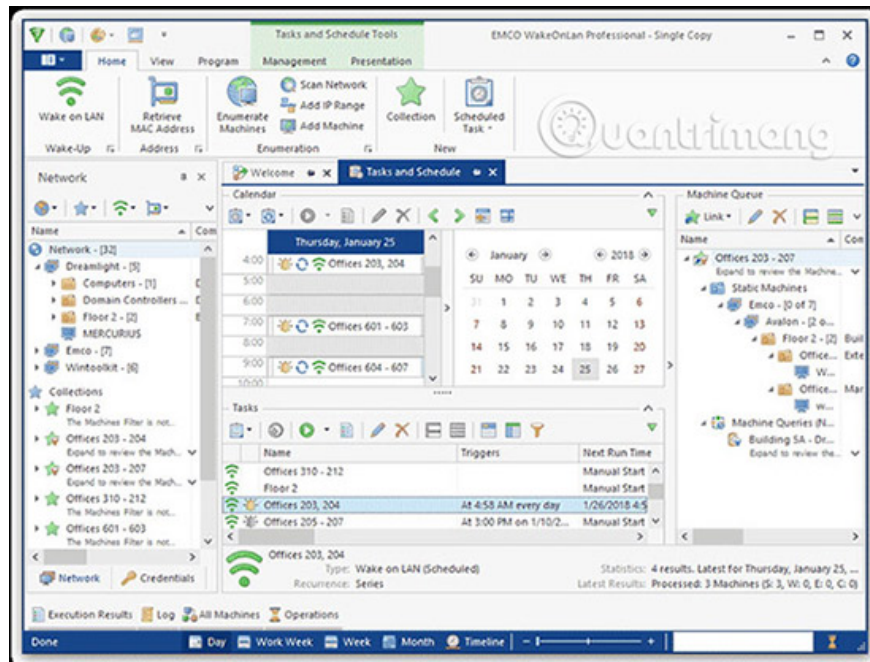
This utility is hosted on Windows Store and works only on Windows 10 and Windows 10 Mobile versions.

This application is very simple and easy to use. Users will need to specify the PC name and Mac address of the corresponding machine, then add it to the program's repository.

From there the user can click on it and send the WOL (magic packet) from the menu, as illustrated in the figure below:



## 9. EMCO WakeOnLan



EMCO WOL tool is a very powerful WOL tool, has two versions, Freemium and Professional, which provides users with some additional functions. To summarize what this software can do, the article will cover the features of the Professional version so readers can better understand the capabilities of this tool.

Pro version features:

1. Send the WOL package to multiple PCs on the network at the same time
2. Can perform manual and scheduled Wake Up tasks
3. There are many ways to transfer WOL: Broadcast, Unicast, Directed Broadcast, WOL over the Internet
4. Set up custom WOL settings, including WOL distribution, ports and other options including scheduling by time / date as mentioned above.
5. Report the status of all PCs after sending WOL (including reports if sending failed).
6. Report via email for all tasks performed.
7. Ability to run the program as a Windows service.
8. Store all information in the local database or MS SQL Server Remote database for future requests.

See the full list of features below:

	Free Edition	Professional Edition
<b>Wake-on-LAN Execution</b>		
<b>Wake-on-LAN Targets</b> The program is designed to wake up multiple remote PCs in scope of a single operation. WOL targets can be configured statically by selecting target PCs or dynamically by defining a query that reports target PCs.	5 PCs	Unlimited PCs
<b>Manual Wake-on-LAN Execution</b> Run WOL operations manually when required.	✔	✔
<b>Scheduled Wake-on-LAN Execution</b> Create tasks to execute WOL automatically on schedule. Scheduled tasks can be executed once at a defined date/time or recurrently on a daily, weekly or monthly basis.	2 tasks	Unlimited tasks
<b>Wake-on-LAN Configuration</b>		
<b>Multiple Wake-on-LAN Transmission Methods</b> The program uses different WOL delivery methods, which allows sending WOL packets across subnets and networks of a complex structure. The supported WOL delivery methods include broadcast, unicast, directed broadcast, and WOL transmission through the Internet.	✔	✔
<b>Automatic Detection of MAC Addresses</b> Automatically detect MAC addresses of target PCs. The program uses different MAC address detection methods, which can be used in different network configurations. The supported methods include Neighbor Discovery, NetBIOS, WinAPI and WMI methods. The program also extracts MAC addresses from Microsoft DHCP, and this method can be used to detect MAC addresses of turned off PCs.	✔	✔
<b>Power Peaks Prevention</b> Avoid power peaks in case of a simultaneous wakeup of a large number of PCs. A special option allows configuring the maximum number of PCs that can be powered up per second.	✘	✔
<b>Wake-on-LAN Settings Customization</b> Override the global WOL settings and use a custom WOL delivery, WOL port and other options in a task, if required.	✘	✔
<b>Execution Results and Notifications</b>		
<b>Wake-on-LAN Execution Status Reporting</b> Get the status of the Wake-on-LAN execution for every target PC. If the target PC was turned on by sending a WOL packet, the status reports a successful execution; otherwise, it reports a failure.	✔	✔
<b>E-Mail Notifications with Execution Status</b> Receive an e-mail with execution status details for every target PC. E-mails are sent for every executed WOL task, if enabled in the program configuration.	✔	✔
<b>Custom E-Mail Notification Settings for Tasks</b> Override the global notification settings and use customized settings for a task, if required. For example, you can customize e-mail recipients for a task.	✘	✔
<b>The Program Architecture and Configuration</b>		
<b>Run as a Service</b> Run the program as a Windows service. The service continues executing scheduled tasks even if you log off from Windows or reboot the PC where the program is installed.	✘	✔
<b>Program Database</b> The program stores all the configurations, tasks, execution results and other information in a database. In case of a per-user database, every Windows user works with their own database, so users cannot share data. In case of a per-machine database, all users work with the same database and share data.	Per-user database	Per-machine database
<b>External MS SQL Server Database</b> Instead of using the default local file-based database, you can configure the program to store data in a high-performance external MS SQL Server database.	✘	✔

1. Free version (Limited 5 PC).
2. Professional version (one user): \$ 249
3. Professional version (Unlimited users): \$ 595

## 10. Gammadyne Free WOL Command-line Tool

## WOL.EXE

WOL.EXE is a utility that **turns on a computer remotely**. It broadcasts a "Wake On LAN" magic packet to the network adapter with the specified MAC address. The MAC address may optionally be followed by the IP address of the network adapter that should broadcast the packet. A port number can also be specified, although this is rarely necessary.

### Examples

```
wol 5c9d32b5f287
wol 5c-9d-32-b5-f2-87 192.168.0.1
wol 5C:9D:32:B5:F2:87 192.168.0.1 16962
wol 5C.9D.32.B5.F2.87 9
```



### Password

In addition, a SecureOn password can be specified by using the `/pwd` switch. Use this only if you configured the server to require this password. The password can either be the raw characters (up to six), or hexadecimal. The hexadecimal pairs can optionally be separated by colons, dashes, or periods. Examples:

```
wol 5C:9D:32:B5:F2:87 /pwd sesame
wol 5C:9D:32:B5:F2:87 /pwd 736573616D65
wol 5C:9D:32:B5:F2:87 /pwd 73-65-73-61-6D-65
wol 5C:9D:32:B5:F2:87 /pwd 73.65.73.61.6D.65
wol 5C:9D:32:B5:F2:87 /pwd 73.65.73.61.6D.65
```

Gammadyne.com has a great command-line WOL utility, which provides users the ability to send Magic Packet over the network via the command line.

Some key features include:

1. Send commands directly to MAC address and IP address (optional)
2. Specify a custom port number via the command line
3. Specify the password for the SecureOn enabled interface and set a password. The password can be either a regular character or a Hex character, as can be seen in the image above.

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