

Advantech AE Technical Share Document

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Category	□ FAQ ■ SOP	Related OS	BIOS
Abstract	How to set up WOL in WIN1	0 for UNO-2473G-J	3AE
Keyword	UNO-2473G-J2AE / WOL / W	/IN10	
Related Product	UNO-2473G-J2AE		

Problem Description:

Customers can set up WOL function in WIN10

Brief Solution - Step by Step:

HOW TO WAKEUP ON LAN

In BIOS, enable PCIE Wake



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In OS

Update your driver to the latest version

General	Link Speed	d .	Advanced	Pow	er Manageme
Drive	Detai	ils	Events	5	Resources
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Driv	er Provider:	Intel			
Driv	er Provider: er Date:	Intel 5/4/20)15		
Driv Driv Driv	er Provider: er Date: er Version:	Intel 5/4/20 12.12.1)15 226.0		

Device Manager - Network Adapter - Power Management and check those boxes

General	Link Speed	Advanced	Power Management
(intel)	Power Saver a	nd Wake on LAN (Options
Power Saver (Options:		
Reduce	link speed during	standby	
Wake on LAN	l:		
🔽 Wake o	n Directed Packet		^
🔽 Wake o	n Magic Packet		
🗹 Wake o	n Magic Packet fr	om power off state	~
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Uncheck Turn on fast startup in Power Options – System Settings

> Control Panel > Har	dware and Sound > Power Options > System Settings
	Define power buttons and turn on password protection
	Choose the power settings that you want for your computer. The changes you make to the settings on this page apply to all of your power plans.
	Change settings that are currently unavailable
	Power and sleep button settings
	When I press the power button: Sleep
	When I press the sleep button: Sleep ~
	Password protection on wakeup
	Require a password (recommended)
	When your computer wakes from sleep, no one can access your data without entering the correct password to unlock the computer. <u>Create or change your user account password</u>
	Don't require a password
	When your computer wakes from sleep, anyone can access your data because the computer isn't locked.
	Shutdown settings
	Turn on fast startup (recommended)
	This helps start your PC faster after shutdown. Restart isn't affected. Learn More
	Sleep
	Show in Power menu.
	Hibernate
	Show in Power menu.
	Lock
	Show in account picture menu.

Disable your Firewall

ntrol Panel Home	Help protect your PC with Windows I	Firewall
w an app or feature ough Windows Firewall	Windows Firewall can help prevent hackers or m Internet or a network.	alicious software from gaining access to your PC through the
ange notification settings	Update your Firewall settings	
m Windows Firewall on or	Windows Firewall is not using the recomm settings to protect your computer.	nended Suse recommended settings
tore defaults	What are the recommended settings?	
vanced settings		
publeshoot my network	Private networks	Not connected 📀
	Guest or public networks	Connected 🙆
	Networks in public places such as airports or co	offee shops
	Windows Firewall state:	Off
	Incoming connections:	Block all connections to apps that are not on the list of allowed apps
	Active public networks:	Unidentified network
	Notification state:	Notify me when Windows Firewall blocks a new ann



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For a simple test, we connect two computers to each other and configure IP addresses under the same subnet, for example:

(PC 1) Act as a Controller

(PC 2) Act as a WOL Client



Execute CMD as the Administrator

Advantech Adam xml	😼 以系統管理員身分執行(A)	
案 (190) cmd.c32 cautoboot_cmd.c cmd.c config_cmd.c dhcp_cmd.c dhcp_cmd.c digest_cmd.c gdbstub_cmd.c ifmgmt_cmd.c	Add to HFS MediaInfo 7-Zip 釘選到工作列(K) 釘選到[開始] 功能表(U) 邊原舊版(V) 傳送到(N) 剪下(T) 複製(C)	•
 ifmgmt_cmd.h image_cmd.c iwmgmt_cmd.c login_cmd.c nvo cmd.c 	刪除(D) 開設檔案位置(I) 內容(R)	

Get your client MAC Address using mcgetmac.exe



- Shutdown the client and keep the power core connected. (You should see the LED of Ethernet interface is flashing)
- Then sent the packet using mc-wol.exe through your controller.

```
C:\WOL>mc-wol.exe 00:D0:C9:B0:4F:E7
WakeOnLAN v1.0 Copyright (c>2001, MATCODE Software.
Web: http://www.matcode.com
Author: Vitaly Evseenko, ve@matcode.com
Sending "Magic Packet" to 00:d0:c9:b0:4f:e7 - Success!
C:\WOL>
```

- Check (PC 2) if you are really success.
- Reference: