การตั้งค่าเครื่องคอมพิวเตอร์เพื่อสนับสนุนการทำ Wake on LAN บนเครื่อง DELL Precision Tower 3420 SFF

- 1. ตั้งค่า BIOS ดังนี้
 - a. ที่เมนู Power management เลือก Option Deep Sleep Control กำหนดค่าเป็น Disabled
 - b. ที่เมนู Power management เลือก Option Wake on LAN/WLAN กำหนดค่าเป็น LAN Only
- 2. ตั้งค่า Windows ดังนี้
 - a. เรียกโปรแกรม Device Manager ดังรูป



b. เลือก Network Adapters ที่ต้องการ



 เปิดหน้าต่าง Properties เลือก Allow this device to wake the computer และ Only allow a magic packet to wake the computer ดังรูป

Create by Santi Sukyanan Computer Center Srinakrarinwiroth University Bangkok Thailand.

Marvell Yukon 88E	8071 PCI-E Gigabit <mark>E</mark> t	hernet Controlle	er Properties X
General	Advanced	Driver	Details
Events	Resources	Power N	Management
Marvell ` ✓ Allow the comp ✓ Allow this devi ✓ Only allow a	Yukon 88E8071 PCI-E outer to tum off this dev ce to wake the comput magic packet to wake	ranced Driver Details esources Power Management E8071 PCI-E Gigabit Ethemet Controller im off this device to save power te the computer acket to wake the computer	ontroller
		ОК	Cancel

d. เลือก Wake on magic packet กำหนดค่าเป็น Enabled ดังรูป

Events	Resources	Power N	Management
General	Advanced	Driver	Details
The following prop he property that y value on the right property:	perties are available for t you want to change on t	his network adap he left and then s Value:	ter. Click elect its
Interupt Moderal IPv4 Checksum I Jumbo Packet Large Send Offlo Large Send Offlo Large Send Offlo Network Address Speed & Duplex TCP Checksum (UDP Checksum (UDP Checksum (UDP Checksum Wake on pattern	tion Offload Dad version 2 (IPv4) Dad version 2 (IPv6) s Offload (IPv4) Offload (IPv6) Offload (IPv4) Offload (IPv6) Decket Datch	Enabled	•

e. เรียกโปรแกรม Power Options ดังรูป

Create by Santi Sukyanan Computer Center Srinakrarinwiroth University Bangkok Thailand.

Power Options		-	- 🗆	×
→ → ↑ 🍃 > Control P	Panel > All Control Panel Items > Power Options	5 V	Search Co	,p
Control Panel Home	Choose or customise a power plan			
Choose what the power buttons do	A power plan is a collection of hardware and system settings (like display brightne how your computer uses power. <u>Tell me more about power plans</u>	ss, sleep, etc.J that manages		
Create a power plan	Preferred plans			
Choose when to turn off the display	Balanced (recommended) Automatically balances performance with energy consumption on capable I	Change plan settings hardware.		
sleeps	Power saver Saves energy by reducing your computer's performance where possible.	Change plan settings		
	Show additional plans			
See also				

 f. เลือก Choose what the power buttons do จะเปิดหน้าต่าง Define power buttons and turn on password protection ดังรูป

😸 System Settings		- 0	×
← → → ↑ 🍃 > Control Panel > All Control Panel Items > Power Options > System Settings	5 V	Search Co	ρ.
 ← → ★ ↑ Solution Panel > All Control Panel Items > Power Options > System Settings Define power buttons and turn on password protection Choose the power settings that you want for your computer. The changes that you make to the settings on this page apply to all of your power play. ♥ Change settings that are currently unavailable Power and sleep button settings When I press the power button: Shut down ♥ When I press the sleep button: Sleep ♥ Shut-down settings Shut-down settings Shut-down settings Shut-down settings Shut-down nestings Show in Power menu. Hibernate Show in Power menu. Show in account picture menu. 	v 8	Search Co.	۵.
Save changes Cancel			

g. เลือก Change settings that are currently unavailable เพื่อกำหนดค่าในส่วน Shut-down Setting โดยทำ การปิด Turn on fast start-up ดังรูป

System Settings	_		×
← → → ↑ 🗃 → Control Panel → All Control Panel Items → Power Options → System Settings	ڻ v	Search Co	P
Define power buttons and turn on password protection			
Choose the power settings that you want for your computer. The changes that you make to the settings on this page apply to all of your power plans.			
Power and sleep button settings			
When I press the power button: Shut down ~			
When I press the sleep button: Sleep 🗸			
Shut-down settings			
Turn on fast start-up (recommended) This helps start your PC faster after shut-down. Restart isn't affected. <u>Learn More</u>			
Show in Power menu.			
Hibernate Show in Power menu.			
Clock Show in account picture menu.			
Save changes Cancel			

- 3. ขั้นตอนการ Wake up เครื่องคอมพิวเตอร์
 - a. ใช้ 3rd party ในที่นี้เลือก WakeMeOnLan เพื่อทำการเปิดเครื่องคอมพิวเตอร์ที่ต้องการ ดังรูป



b. เปิดโปรแกรม WakeMeOnLan ดังรูป



 c. ที่เมนูเลือก File -> Start Scanning จะแสดงรายการ เลือกรายการเครื่องคอมพิวเตอร์ที่ต้องการ Wake on Lan ดังรป

			WakeMeOnLan
		ons Help	Edit View Optio
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User Text	Network Adapter Company	Computer Name MAC	Address 🗸
	SMC Networks, Inc.	00-04	10.1.171.217
	Apple, Inc.	PAWARITS-IMAC A8-6	10.1.171.221
	Grandstream Networks, Inc.	00-00	10.1.171.222
	Grandstream Networks, Inc.	00-08	10.1.171.210
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	MICRO-STAR INT'L CO., LTD.	DESKTOP-7A82ORE 00-24	10.1.171.234
	Grandstream Networks, Inc.	00-00	10.1.171.238
	Grandstream Networks, Inc.	00-00	10.1.171.239
	Grandstream Networks, Inc.	00-00	10.1.171.242
	Grandstream Networks, Inc.	00-00	10.1.171.243
	Grandstream Networks, Inc.	00-00	10.1.171.245
	Dell Inc.	1103-01 64-00	10.1.171.246
	Hewlett Packard	SUWIMON-PC 3C-D	10.1.171.249
	Microsoft Corporation	WIN7-PC 00-15	10.1.171.251
	Grandstream Networks, Inc.	00-00	10.1.171.232
	Hewlett Packard	D0-7	10.1.171.252
	Hewlett Packard	44-31	10.1.171.253
	Hewlett Packard	44-31	10.1.171.254
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