# **PYNQ-Z2** Setup

### Flash Boot Image

### Mount SD card and open Etcher

Path:Desktop/Advanced\_FPGA\_Design/EtcherPortable/



### Select img file

select pynq\_z2\_v2.5.img
Path:Desktop/Advanced\_FPGA\_Design/



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« plext... > Advanced\_FP... >

### Select Target

#### select SDHC



### **Click Flash**

Please make sure your etcher looks like this



### Select cancel and ignore error message if this pop out. Do not format the disk manually!

### Make sure it's flashing and wait for it

Etcher – 25% Flashing		— D	×
		🕎 balena Etcher	?
		$\bigcirc$	
+ pynq_z2_v2.5.img 5.83 GB		While you are waiting, check out some projects	
SDHC Card			
Flashing 25%	Cancel		
13.60 MB/s ETA: •		Looking for new project ideas?	
		Explore first-class community and balena projects, all ready to deploy in just a few clicks. Submit your own projects and share with the community!	
		Browse projects	

### Done!



### PYNQ-Z2 board setup

### Board set up

1. Set the \*\* Boot\*\* jumper to the SD position.

2.set the **Power** jumper to the *REG* position.

3.Insert the Micro SD card (which you just flashed) into the **Micro SD** card slot underneath the board.

4.Connect the USB cable to your PC/Laptop, and to the **PROG - UART** MicroUSB port on the board

5.Connect the Ethernet port to your PC.

\*\*Please plugin external DC 12V power!

6.Turn on the PYNQ-Z2



### Host setup

- 1.Right click on Internet icon
- 2.Click open settings.
- 3.Click change settings.

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1		
	疑難排解問題	
<b>2</b>	開啟網路和網際網路設定	– 🗆 X
	Q≉ № √× < <i>∜∗</i> Ѱ ⊐20	21犬態
	<b>尋找設定</b> ク	網路狀態
網路和網際網路		$\Box - c = \Box$
	<b>伊</b> 狀態	Aiot208_5G 公用網路
	<i>候</i> , Wi-Fi	您 已連線到網際網路 若您使用的行動數據方案受限,可將此網路設為計量付費連線
	記 乙太網路	或變更其他內容。
	♀ 撥號	變更連線內容
	% VPN	顯示可用的網路
	✤ 飛航模式	變更您的網路設定
	(1) 行動熱點	一 變更介面卡選項 檢視網路介面卡及變更連線設定。
	⑤ 數據使用量	
	Proxy	對於您連線的網路,決定您要共用的項目。
		▲ 網路疑難排解員 診斷及修正網路問題。
		檢視您的網路內容
		Windows 防火牆
		網路和共用中心

### Host setup

4. Right click on ethernet with *'unidentified internet'* and select info(R).

5.Select (TCP/IPv4) and click info(R)

6.Set the IP address to 192.168.2.1

and mask to 255.255.255.0



### Login PYNQ

1.Open browser

2.Browse https://192.168.2.99:9090/

password:xilinx



## Stetup realterm

(You can skip this setup if you login the PYNQ successfully)

#### Open realterm on the Desktop



### Scan ports

select "double click to scan ports" and look for new port '(num) = \VCP0'



### Setup Port configuration



### Check ip status



1.Click this area and press enter