

## .0Advantech AE Technical Share Document

Date	27/11/2024	Release Ver.	V1.0		
Category	■ FAQ □ SOP	Release Note	□Internal■External		
Related OS	yocto				
Abstract	How to upgrade TPC-100W-N32Y yocto image from V2.x to V3.x				
Keyword	yocto, image, systemready				
<b>Related Product</b>	TPC-100WX series				

## Solution:

Required items: Micro SD card above 16G Rufus tool: <u>https://rufus.ie/en/</u>



Image: TPC-100W-4g-v3.x-efi.img

Note:

1 Please directly download it from PLM or contact PD to get the image.

2 There are multiple files on the server, be sure to install the file with "efi" text

## Instructions:

Open rufus and then load the TPC-100W-4g-v3.x-efi.img. Click START in rufus to write the image to SD card.

🖋 Rufus 4.6.2208 (Portable)		-		$\times$				
Drive Properties								
•								
Device NO_LABEL (E:) [32 GB]			×	ពា				
Boot selection								
TPC-100W-4g-v3.1-efi.img	~	$\odot$	SELECT	-				
Partition scheme	Target syster	,						
MBR ~	BIOS (or UEFI-CSM) ~ ?							
<ul> <li>Hide advanced drive properties</li> </ul>								
List USB Hard Drives								
Add fixes for old BIOSes (extra partition, align, etc.)								
Enable runtime UEFI media validation								
Format Options								
Volume label								
32 GB								
File system	Cluster size							
FAT32 (Default)	16 kilobytes (Default)							
<ul> <li>Hide advanced format options</li> </ul>								
Quick format								
Create extended label and icon files								
Check device for bad blocks	1 pass			$\sim$				
Status								
READY								
0								
S) (i) ≵ II	START		CLOSE					
Using image: TPC-100W-4g-v3.1-efi.img								



Remove the back cover of the TPC..



Adjust the SW2 DIP switches as shown below



Boot Mode: option (SW2)

SD boot (Install image) 1. OFF 2. ON 3. ON

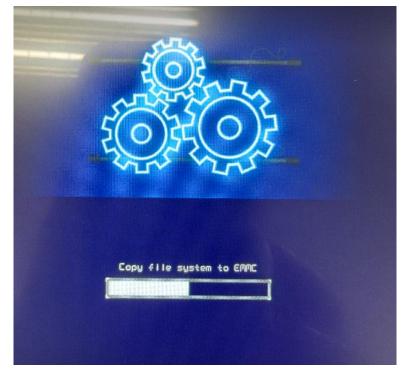




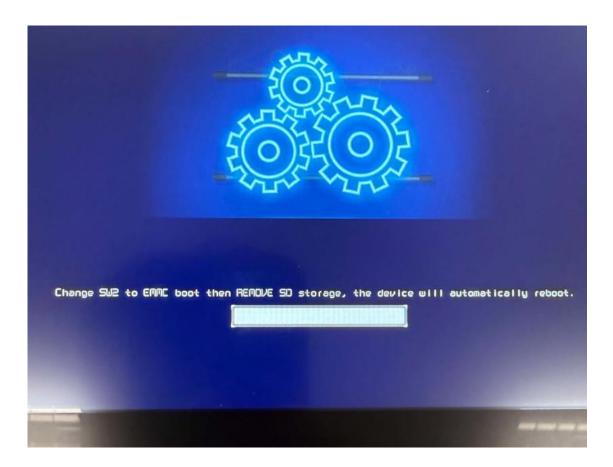
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Insert the SD card into the SD card slot, then power on the computer.

The system will boot from the SD card and automatically write the image to the eMMC.



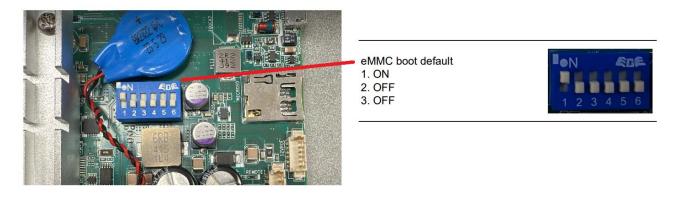
After the installation is complete, you will see the following information.





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Adjust the SW2 DIP switches as shown below and remove the SD card. The system will autoreboot and boot from the eMMC.



The above steps outline the process for installing a new operating system.

## Reference:

https://www.advantech.com/zh-tw/search/?q=TPC-110WX&st=support