

# Restore initial image system

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## 1. Format the SSD

Before restoring the factory image, you need to format the SSD into exFAT format.

### 1.1. Download DiskGenius

Download URL: <https://www.diskgenius.com/>



### What Can DiskGenius Do?



#### Data Recovery

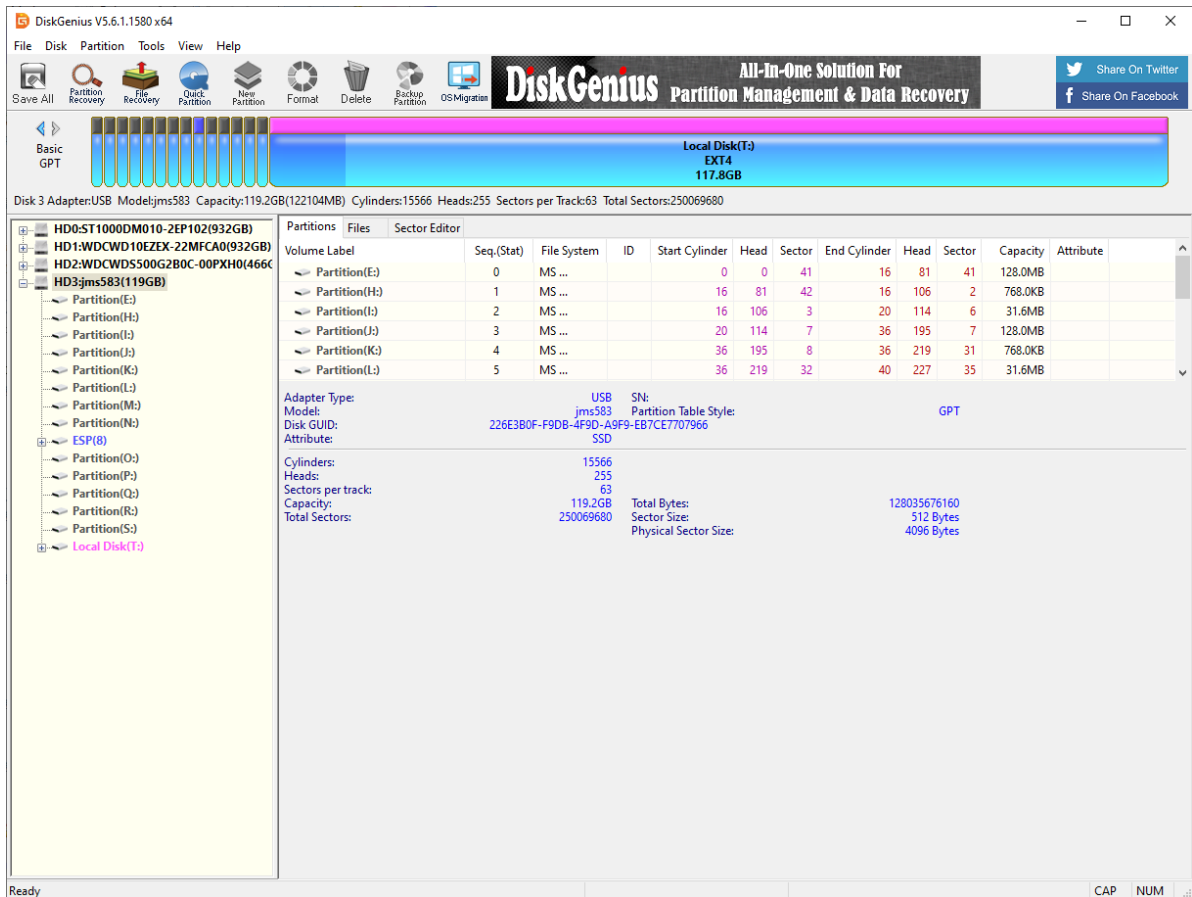
Recover deleted, lost, or formatted data from hard drives, USB drives, SD cards, RAW drives, RAID, and more, with advanced recovery options.



#### Partition Manager

Resize, format, create, hide, and wipe partitions. Convert disks between GPT and MBR, repartition HDDs/SSDs, allocate free space, and other features.

Double-click the exe file you just downloaded to install DiskGenius. Follow the prompts to install the software on the Windows computer. After opening the software, it will be as shown below.



## 1.1. Use DiskGenius

### 1.1.1, Delete partition

Deleting a partition will clear the disk data. Please confirm whether the drive letter is the disk that needs to be formatted before confirming the operation: you can judge based on the disk size and the newly added drive letter of the connected disk

DiskGenius V5.6.1.1580 x64

File Disk Partition Tools View Help

Save All Partition Recovery File Recovery Quick Partition New Partition Format Delete Backup Partition OS Migration

**DiskGenius** All-In-One Solution For Partition Management & Data Recovery

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Basic GPT

Local Disk(T:) EXT4 117.8GB

Disk 3 Adapter:USB Model:jms583 Capacity:119.2GB(122104MB) Cylinders:15566 Heads:255 Sectors per Track:63 Total Sectors:250069680

Partitions Files Sector Editor

Volume Label Seq.(Stat) File System ID Start Cylinder Head Sector End Cylinder Head Sector Capacity Attribute

0	MS ...		0	0	41	16	81	41	128.0MB	
1	MS ...		16	81	42	16	106	2	768.0KB	
2	MS ...		16	106	3	20	114	6	31.6MB	
3	MS ...		20	114	7	36	195	7	128.0MB	
4	MS ...		36	195	8	36	219	31	768.0KB	
5	MS ...		36	219	32	40	227	35	31.6MB	

USB jms583 SN: 226E3B0F-F9DB-4F9D-A9F9-EB7CE7707966 Partition Table Style: GPT SSD

15566 255 63 119.2GB 250069680 Total Bytes: 128035676160 Sector Size: 512 Bytes Physical Sector Size: 4096 Bytes

Save Partition Table(F8) Backup Partition Table(F2) Restore Partition Table(F3) Search Lost Partitions(Partition Recovery)(L) Recover Lost Files(U) Rebuild Master Boot Record(M) Clear Reserved Sectors(E) Quick Partition(F6) **Delete All Partitions(A)** Erase Sectors(E) Backup Disk To Image File Restore Image File To Disk

Convert To GUID Partition Table (P) Convert To MBR Partition Table (B) Convert To Basic Disk (D) Appoint Disk Geometry(G) Modify MBR Signature / Disk GUID View S.M.A.R.T. Information(S) View Storage Pool Information Verify Or Repair Bad Sectors(V) Reset Bad Sector Records

Convert Boot Mode Change Device State TRIM Optimization

Close Virtual Disk File(C) Recompose Virtual RAID

Delete all partitions

DiskGenius V5.6.1.1580 x64

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Partitions Files Sector Editor

Volume Label Seq.(Stat) File System ID Start Cylinder Head Sector End Cylinder Head Sector Capacity Attribute

Partition(E:)	0	MS ...		0	0	41	16	81	41	128.0MB	
Partition(H:)	1	MS ...		16	81	42	16	106	2	768.0KB	
Partition(I:)	2	MS ...		16	106	3	20	114	6	31.6MB	
Partition(J:)	3	MS ...		20	114	7	36	195	7	128.0MB	
Partition(K:)	4	MS ...		36	195	8	36	219	31	768.0KB	
Partition(L:)	5	MS ...		36	219	32	40	227	35	31.6MB	

Partition(E:) Partition(H:) Partition(I:) Partition(J:) Partition(K:) Partition(L:) Partition(M:) Partition(N:) Partition(O:) Partition(P:) Partition(Q:) Partition(R:) Partition(S:) Local Disk(T:)

ESP(8) Partition(O:) Partition(P:) Partition(Q:) Partition(R:) Partition(S:)

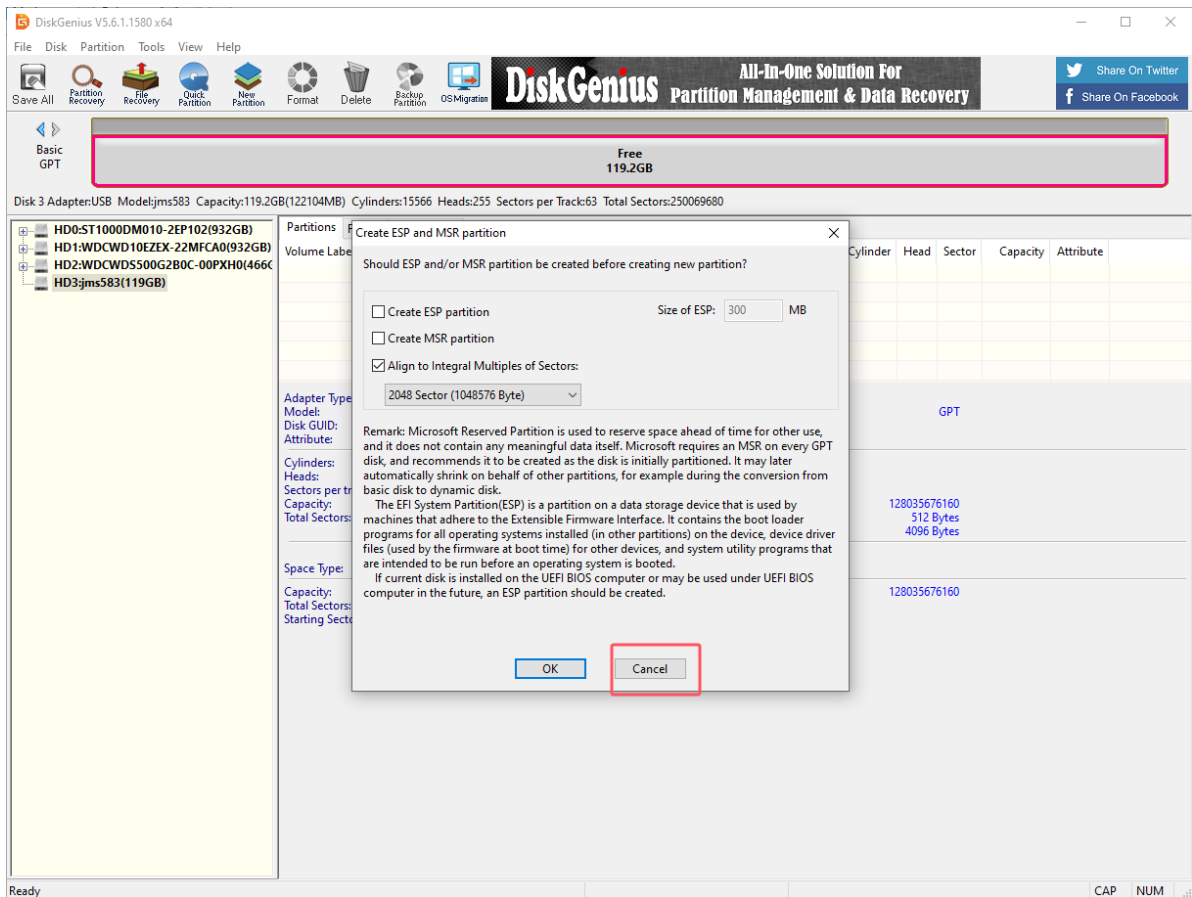
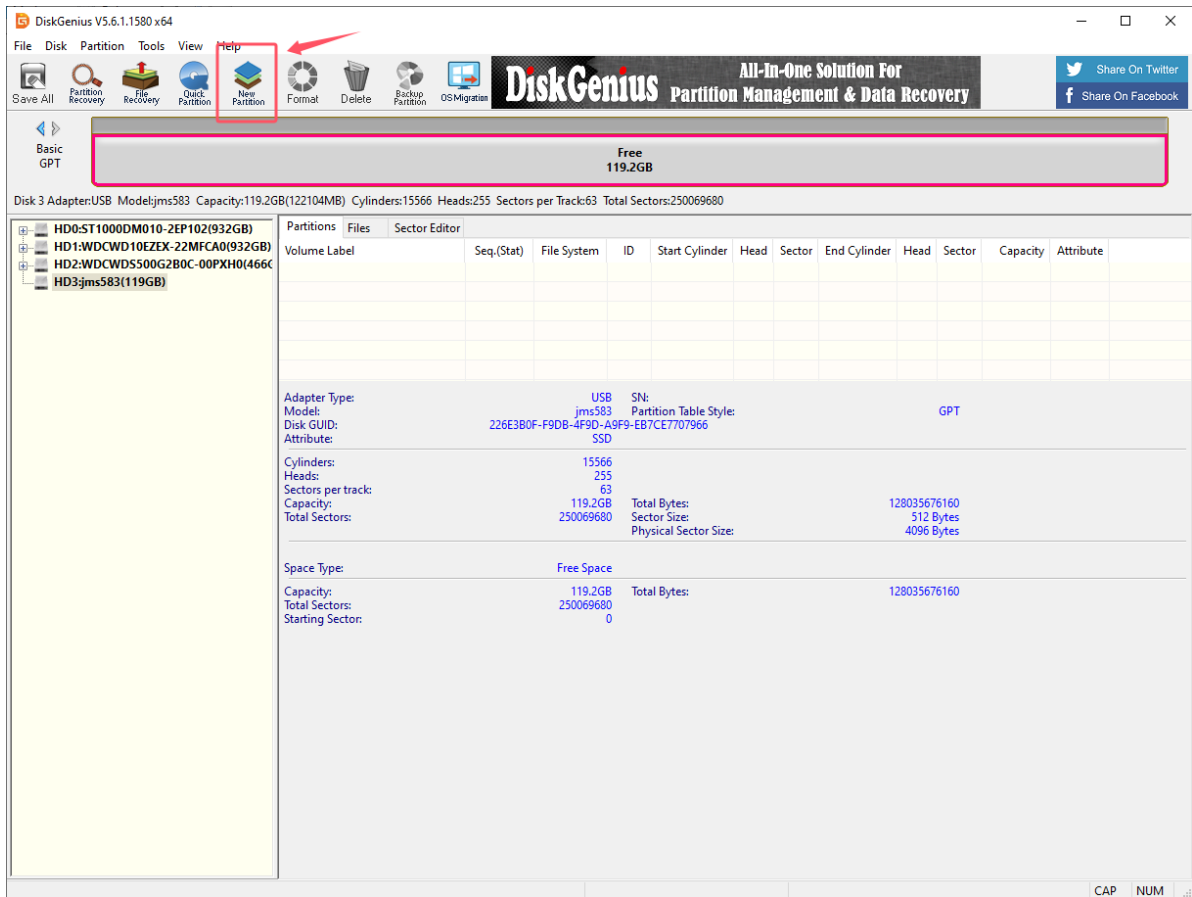
Local Disk(T:)

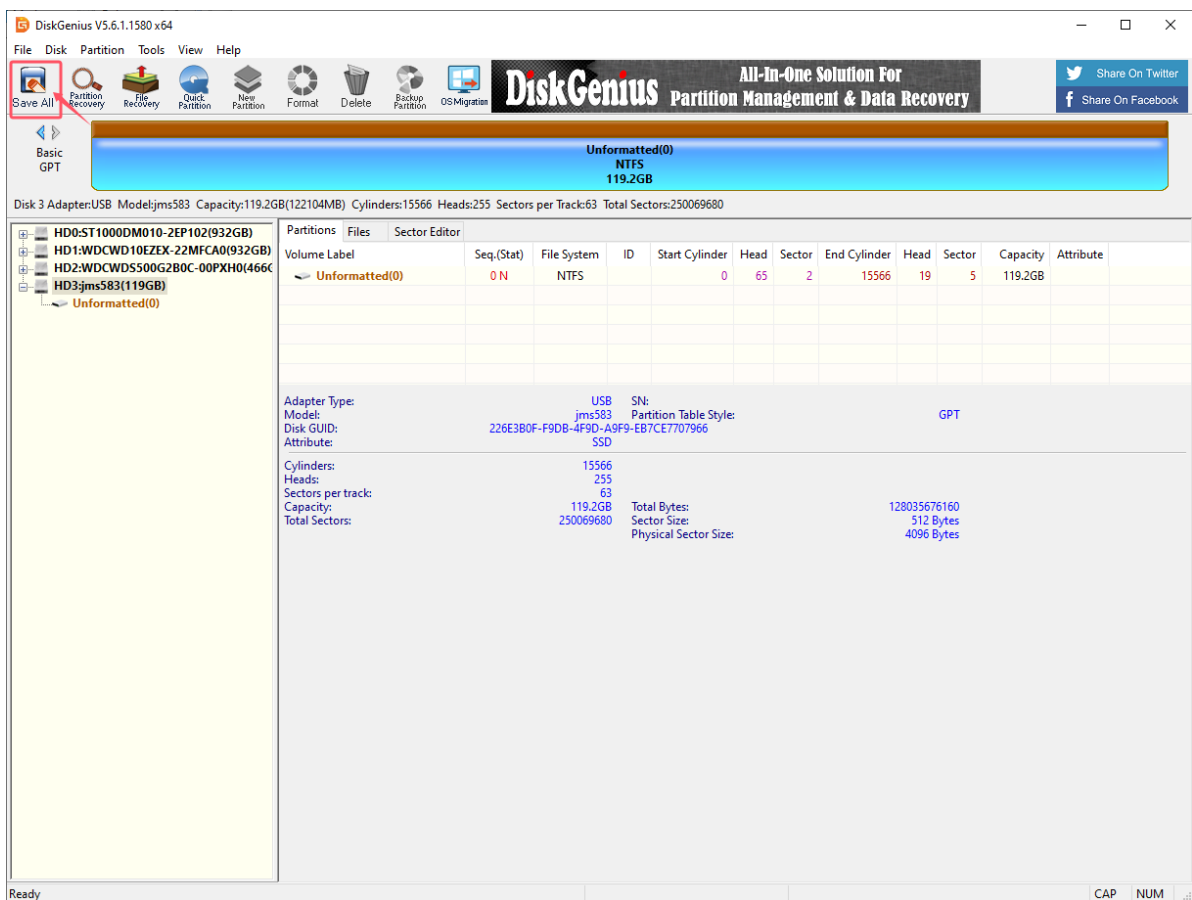
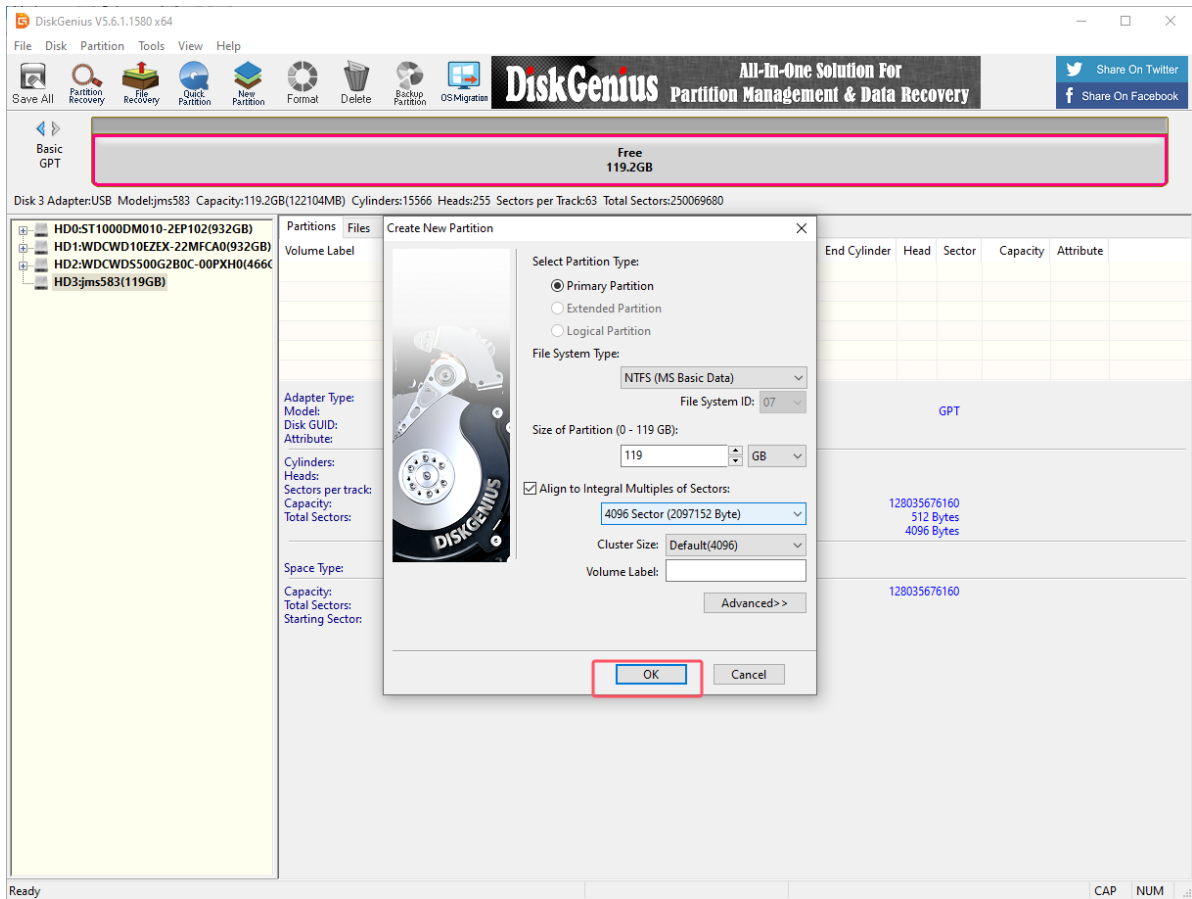
Are you sure you want to delete all the partitions on current disk? All files in it will lose. Select "Yes" to delete.

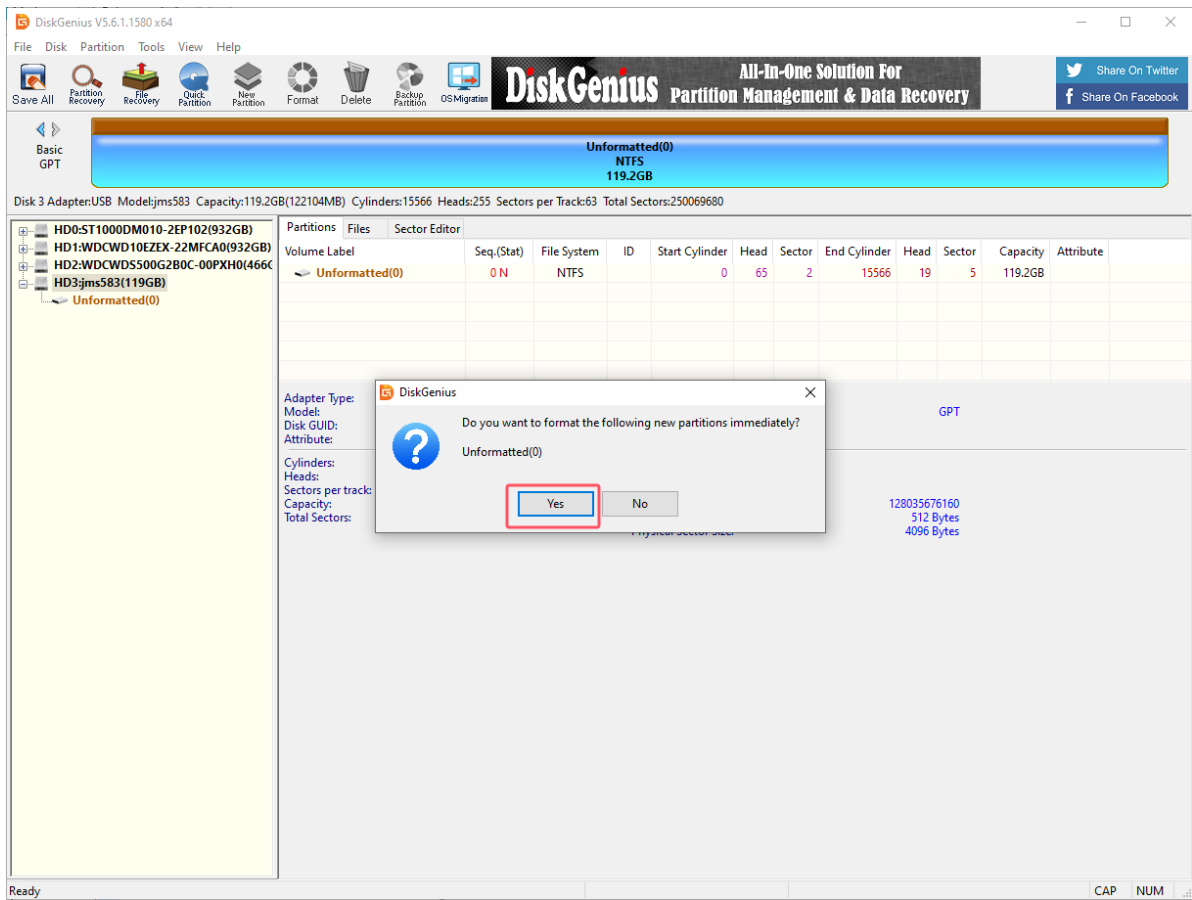
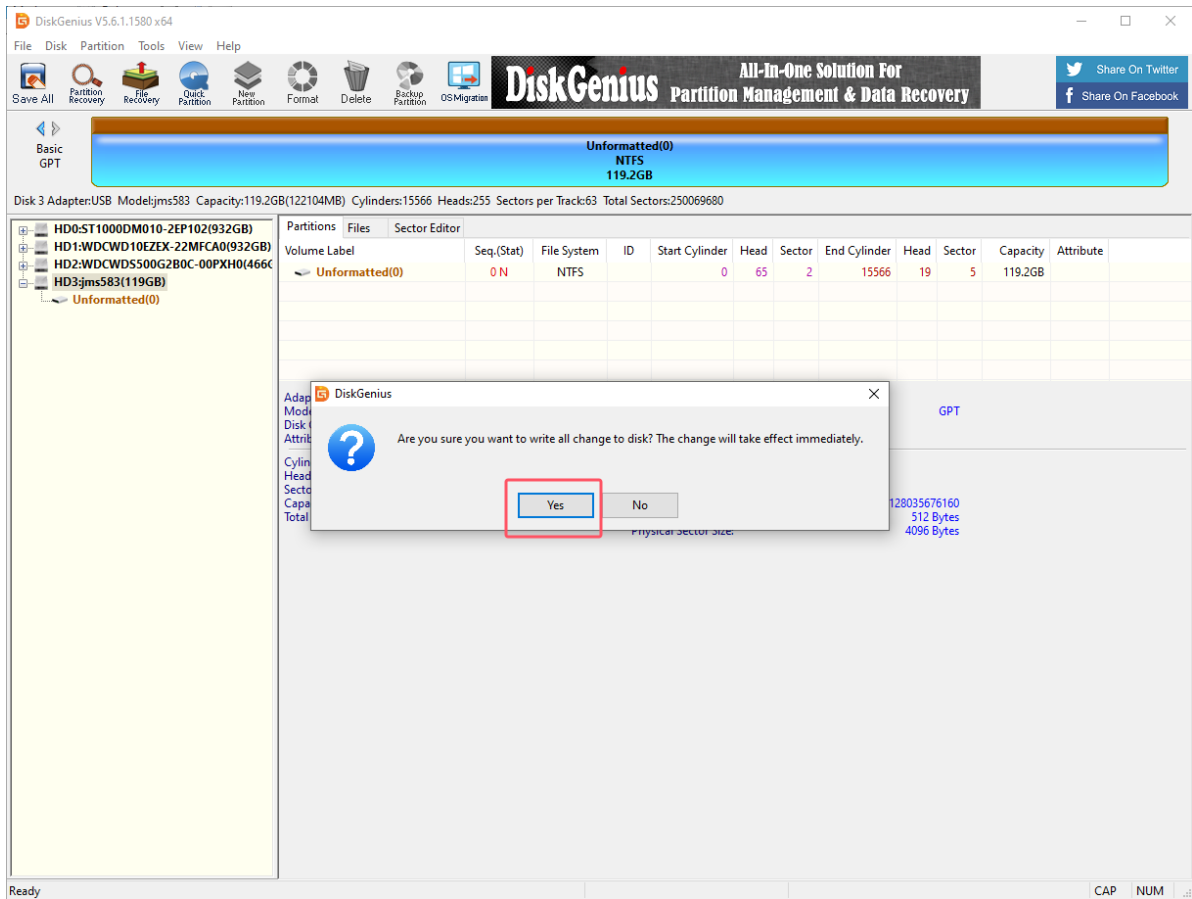
Yes No

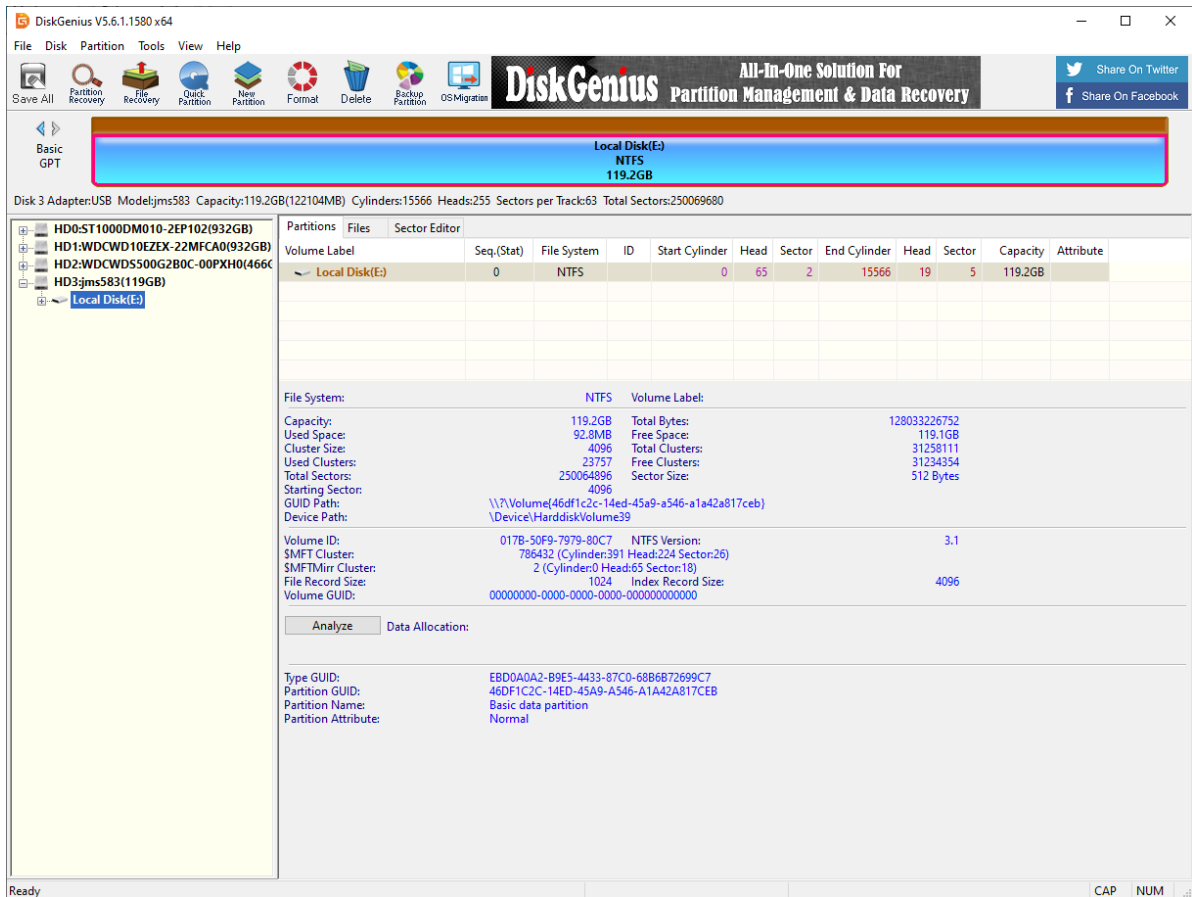
Ready









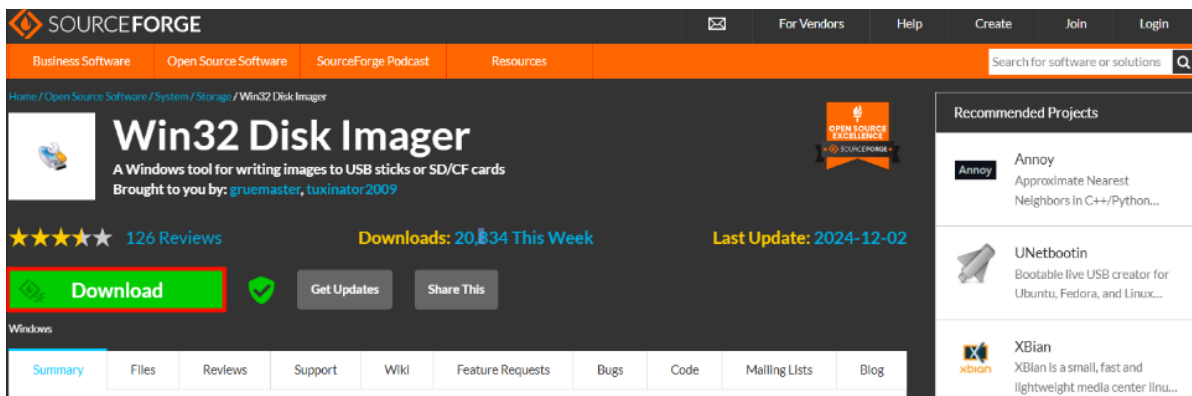


## 2. Restore the factory image

You need to download and decompress the factory image system in the data to the local computer in advance.

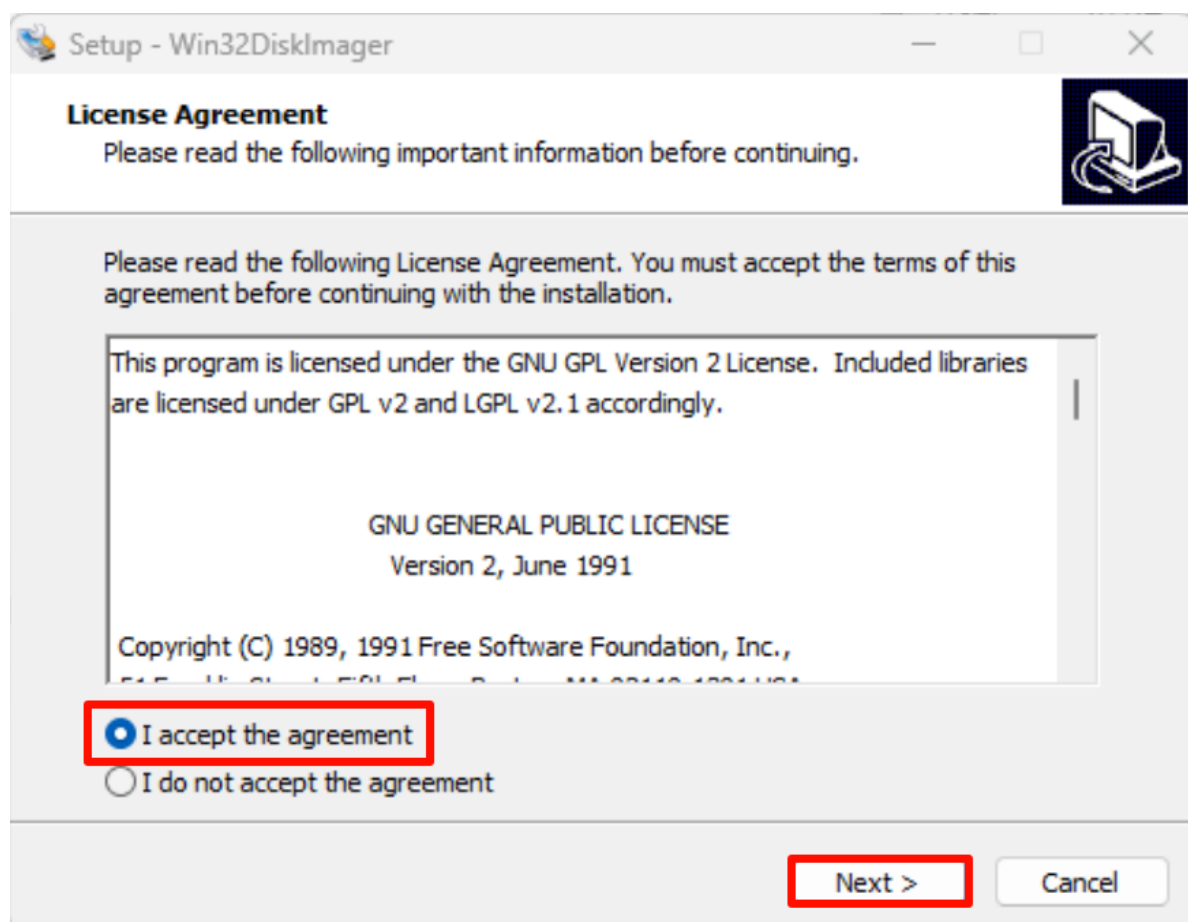
### 2.1. Install Win32DiskImager

Download URL: <https://sourceforge.net/projects/win32diskimager/>

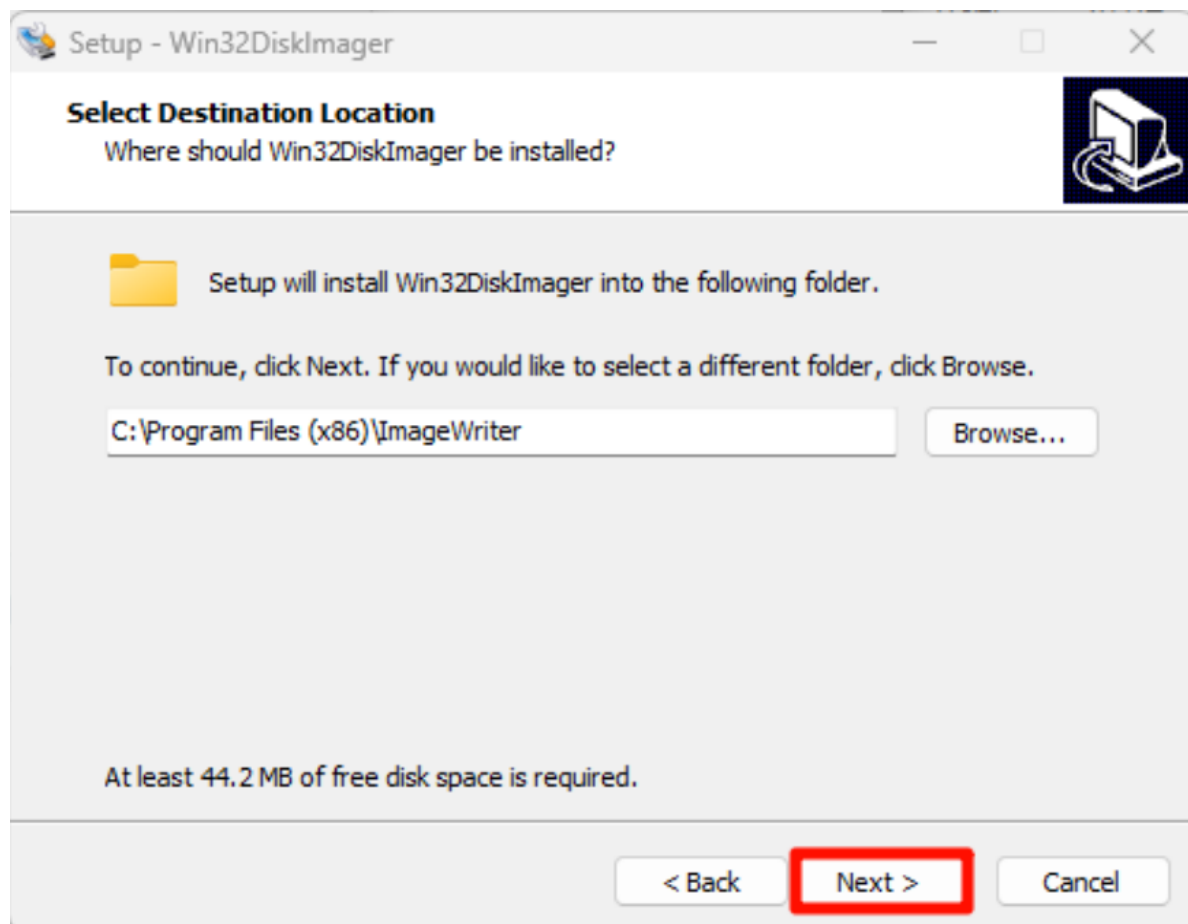


Open the `win32diskimager-1.0.0-install.exe` installation package as an administrator and accept the agreement:

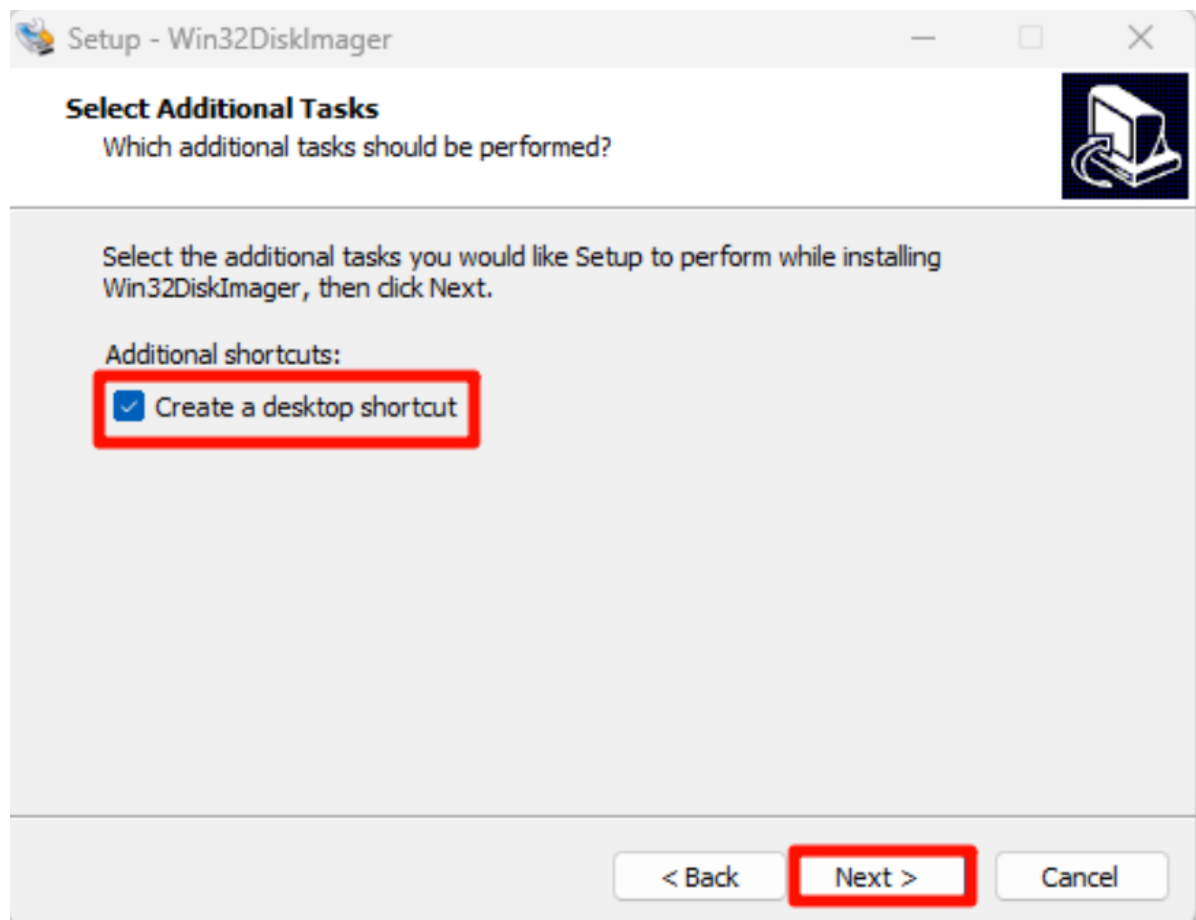
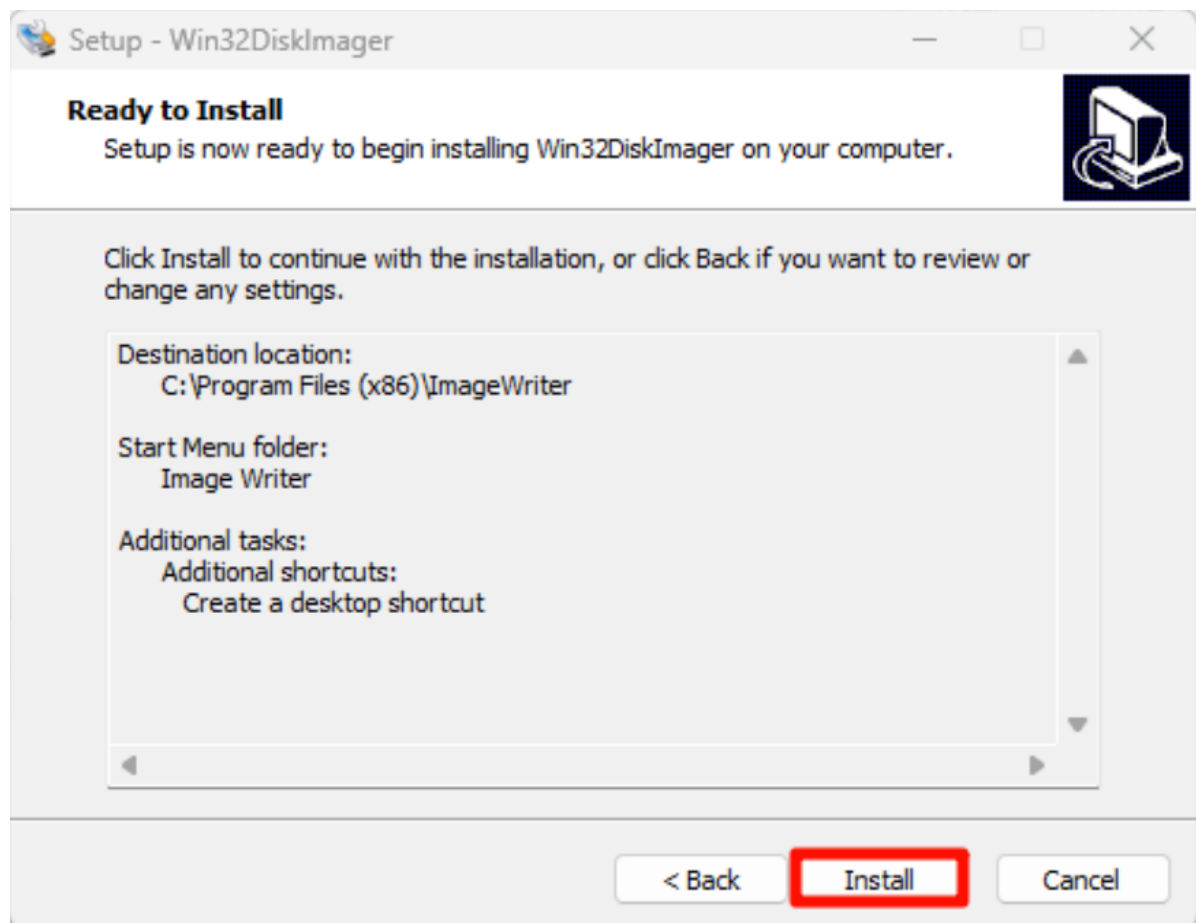




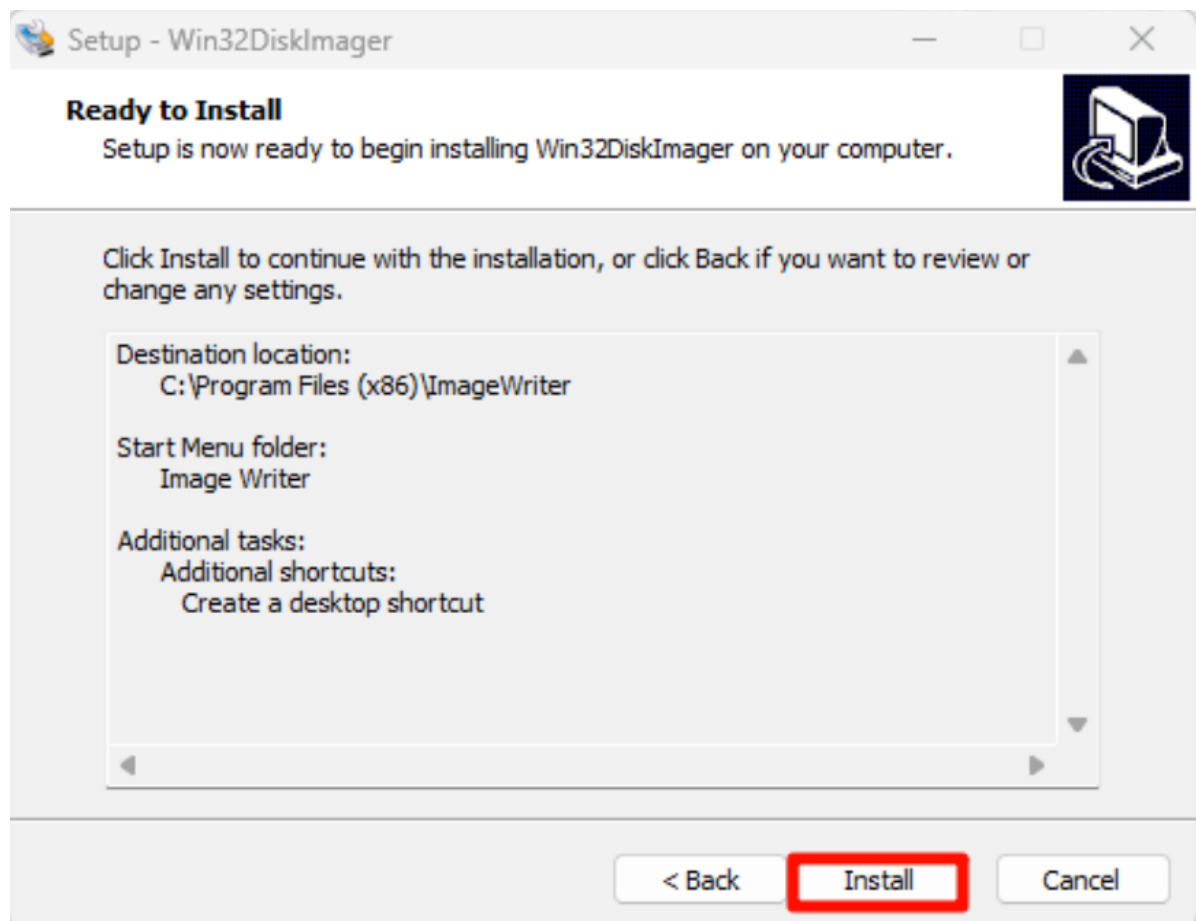
Installation location: The default location is recommended



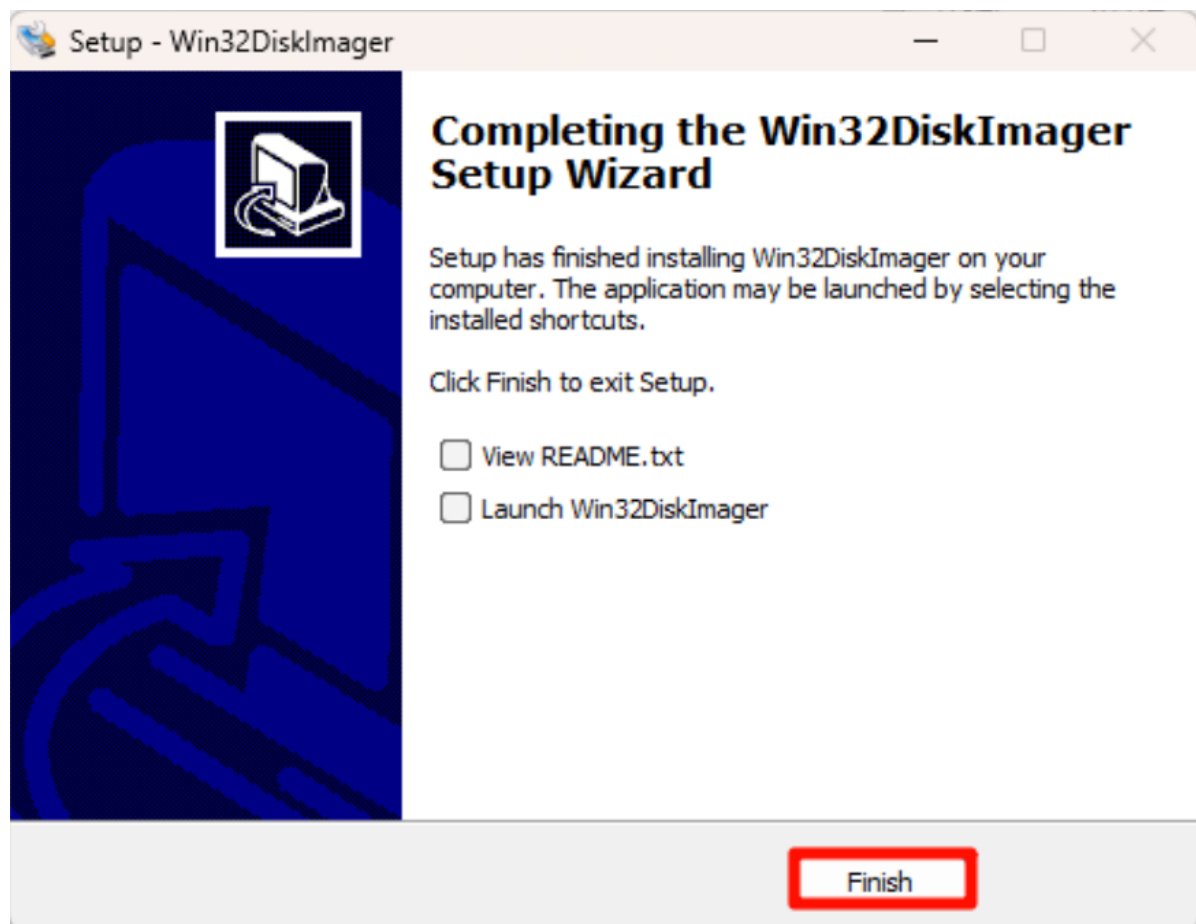
Installation options:



Start installation:

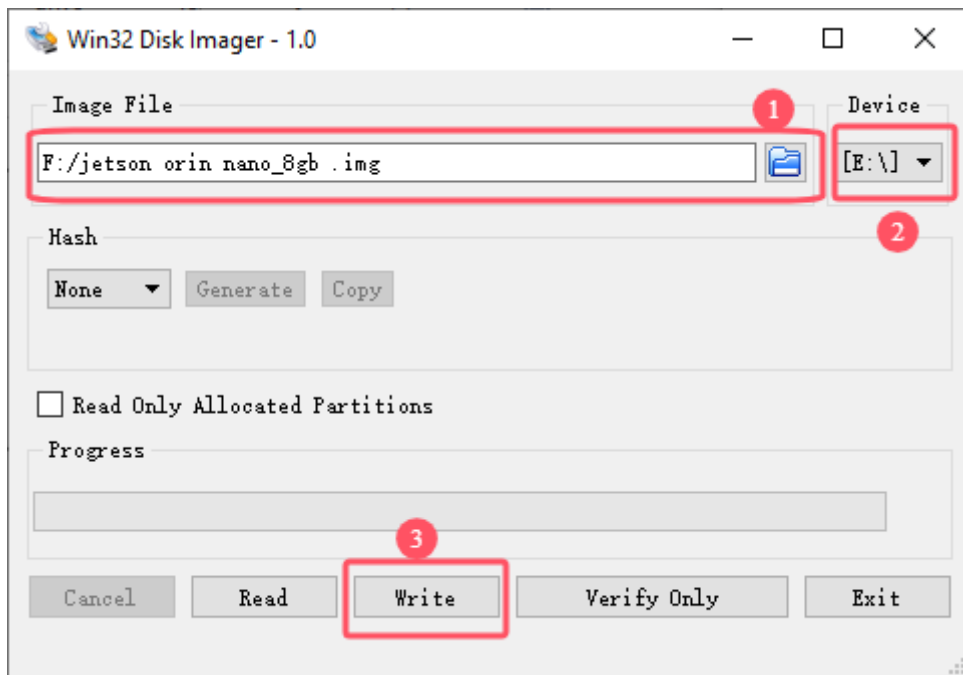


Complete installation:



## 2.2. Use Win32DiskImager

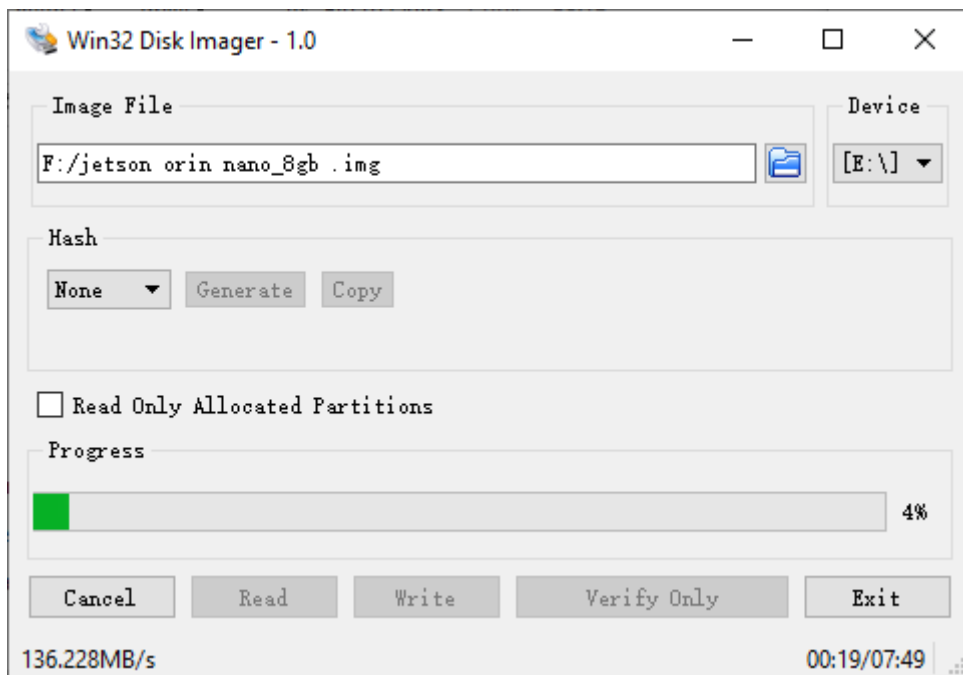
- ①: Select the factory image file (\*.img) in the data
- ②: Select the drive letter corresponding to the solid-state drive
- ③: Write the factory image to the solid-state drive

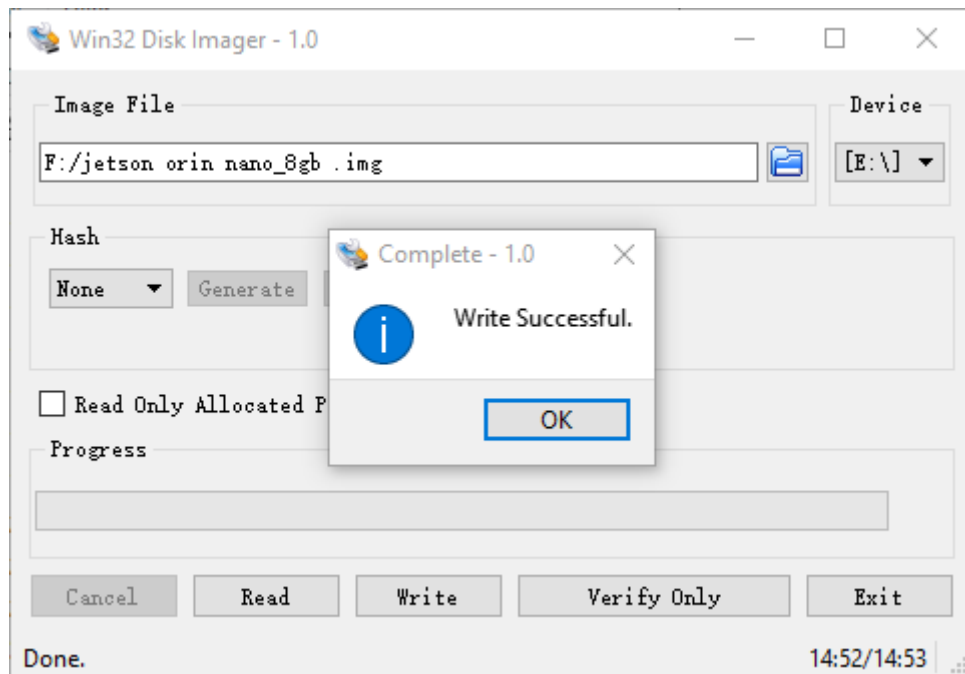


Confirm writing to the system:

 image-20250123105608261

Wait for the system to be written successfully:





After the system is written, you can close the program and install the SSD to the Jetson Orin motherboard!

### 3. Description

The Jetson motherboard can start the system normally and it depends on the system Jetpack version. Generally, only the same version can start the system!