

Qoltec[®]



User Manual

M.2 NVMe SSD Docking Station

Model: 52633

Introduction

Thank you for choosing a Qoltec docking station. Our devices have been designed with high reliability, security and ease of use in mind. We are confident that this device will meet your expectations and provide reliable service for many years to come. Before using the device, please read this manual carefully to ensure it operates correctly and to safeguard your stored data. If you have any questions or require technical support, please contact our customer service department.

About the product

This dual-bay M.2 SSD docking station has been designed for convenient data management, backups, system migration and the rapid transfer of files between storage devices.

The device supports two M.2 NVMe SSDs simultaneously. It can be used as an external docking station for a computer or as a standalone device for copying data from one drive to another. The Dual Bay M.2 SSD docking station enables you to quickly connect M.2 NVMe SSDs to a computer and copy data between two drives without needing to use a computer. The device supports online read and write modes, as well as an offline cloning function.

Key product features

- support for two M.2 NVMe SSDs,
- data read and write functionality when connected to a computer,
- offline cloning function without the need for a computer,
- ability to migrate data from one drive to another,
- quick drive replacement,
- support for system drives and data storage drives,

Safety instructions

1. Do not disconnect the power supply whilst copying data.
2. Do not remove the drives whilst the device is in operation.
3. Do not touch the drive connectors with wet hands.
4. Do not use the device in a damp or dusty environment.
5. Do not subject the device to drops, impacts or strong vibrations.
6. Do not open or modify the device's casing.
7. Use only a power supply that meets the device's requirements.

8. Before removing the drive from the computer, use the 'Safely Remove Hardware' function.
9. Keep the device out of the reach of children.

Docking Station Design

Figure 1 in the appendix

1. 12 V DC interface
2. ON/OFF switch
3. PC IN port
4. Source drive bay A
5. Destination drive slot B
6. Drive A data indicator
7. Drive B data indicator
8. Copy indicator
9. Offline copy button

Drive A slot — source drive (The slot for the drive from which data will be copied.)

Drive B slot — destination drive (The slot for the drive to which data will be copied.)

Drive A activity indicator (Indicates the activity of the drive inserted in slot A.)

Drive B activity indicator (Indicates the activity of the drive inserted in slot B.)

Copy indicator — Shows the progress of the data copying process.

Offline copy button — Used to start the data cloning process without using a computer.

Installing an M.2 SSD

Note: Before you begin, ensure that the device is switched off and disconnected from the mains.

1. Prepare the target M.2 NVMe SSD in one of the supported sizes:
2230 / 2242 / 2260 / 2280 / 22110.
2. Insert the drive into the appropriate slot at a slight angle.

3. Gently press the drive against the surface of the docking station.
4. Ensure that the drive is correctly seated and securely mounted.
5. If necessary, install a second drive in the second slot.

Device operating modes

The docking station can operate in two basic modes:

Mode I: Reading and writing data when connected to a computer

In this mode, the device functions as an external docking station for M.2 NVMe SSDs. Once connected to a computer, you can read, write, copy, delete or move files stored on the drive.

1. Insert the M.2 SSD into slot A or B.
2. Connect the power supply to the 12 V DC input.
3. Connect the USB cable to the PC IN port on the docking station.
4. Connect the other end of the cable to your computer.
5. Switch on the device using the ON/OFF switch.
6. Wait until the operating system detects the connected drive. Once correctly connected, the drive should appear in the system as an external storage device.

This feature is particularly useful for:

- transferring data from an SSD to a computer,
- making backups,
- reading data from a drive removed from a laptop or computer,
- preparing a new drive for use,
- formatting and partitioning a drive.

Mode II: Offline copying

In this mode, the device allows you to copy the contents of one drive to another without having to connect the drive to a computer. Offline copying involves copying the entire contents of drive A to drive B. This means that any data previously stored on drive B may be overwritten.

Note: The destination drive in slot B should have a capacity equal to or greater than that of the source drive in slot A.

How to start an offline copy

- 1.Insert the source drive into slot A.
- 2.Insert the destination drive into slot B.
- 3.Connect the power supply to the device.
- 4.Switch the device on using the ON/OFF switch.
- 5.Press and hold the copy button for about 3 seconds.
- 6.When the progress indicators start flashing, press the offline copy button again to confirm that the process has started.
- 7.When the 25% indicator starts flashing, this means that the copying process has begun.
- 8.Wait until the copying is complete.
- 9.Once the process is complete, all the LED indicators will remain lit.
- 10.Switch off the device and only then remove the discs.

Tips for offline copying

Note:

- 1) Before you start copying, make sure there is no important data on the destination drive that you wish to keep.
- 2) If the copying process is interrupted, for example by a power cut or by removing a drive, you will need to start the copying process again from the beginning.
- 3) Do not remove the drives or switch off the device whilst copying is in progress.

Formatting the drive after connecting it to a computer

If, after mounting the drive and connecting the docking station to the computer, the drive is not visible in the system, it may need to be initialised or formatted.

This applies in particular to new drives that have not been used before.

Formatting a drive in Windows

- 1.Right-click the 'This PC' or 'My Computer' icon.
- 2.Select the Manage option.
- 3.Go to the Disk Management section.
 - a) Find the newly connected drive in the list of devices.
 - b) If the system asks you to initialise the drive, select the appropriate partition style:

GPT — recommended for new computers and larger drives,

MBR — for older systems or devices.

- 4.Right-click the unallocated space on the drive. Select the New Simple Volume option.
- 5.Follow the wizard's instructions. Select a drive letter and a file system.
- 6.Click Next until the process is complete. Once formatting is complete, the drive should be visible in the system and ready for use.

Technical specifications

Parameter	Value
Input port	USB 3.2
Supported capacity of a single drive	up to 8 TB
Total supported capacity	up to 16 TB
Supported drives	M.2 NVMe SSDs
Supported drive sizes	2230 / 2242 / 2260 / 2280 / 22110
Housing material	ABS
Product weight	115 g
Product dimensions	69.5 × 69.5 × 18 mm
Operating modes	online read/write, offline copying

Troubleshooting

Problem	Tip
The computer does not recognise the drive	Check that: the drive is correctly inserted into the slot, the device is switched on, the USB cable is properly connected, the power supply is connected, the drive has been initialised in Windows, the drive is not faulty.
The drive is visible in the system but cannot be opened	You may need to format the drive or assign a drive letter in Disk Management.
Offline copying does not start	Check that: the source drive is in slot A, the destination drive is in slot B, drive B has sufficient capacity, both drives are correctly installed, the device is connected to the mains,

	the copy button has been held down for approximately 3 seconds.
The copying process has been interrupted	If the copy process has been interrupted, you must start the whole process from the beginning.

Maintenance

1. Before cleaning or carrying out any maintenance, disconnect the device from the computer and the mains supply.
2. Use a soft, dry cloth to clean the casing.
3. Do not use solvents, alcohol, detergents or any substances that may cause discolouration or corrosion.
4. Avoid exposing the device to water, moisture and dust.

Disposal

1. Electronic devices and accessories (including SSDs) must not be disposed of with household waste.
2. The product must be taken to a designated WEEE collection point in accordance with current environmental protection regulations.

Post-warranty service

1. Repairs to the device may only be carried out by a qualified service centre.
2. Do not open the casing or attempt to repair the device yourself — this may result in damage to the equipment and loss of data.

Attachment

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