



Axagon ADSA-M2C11 USB-C 10Gbps M.2 NVMe & SATA SSD Docking Station

Model: ADSA-M2C11

Manufacturer: AXAGON

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Product Code: 1564625

R1,127

USB 10Gbps docking station for NVMe or SATA SSD

The fast AXAGON ADSA-M2C11 docking station with a USB-C 10Gbps interface provides a simple way to connect one NVMe or one SATA M.2 SSD to a computer in just a few seconds. The open design allows the SSD to be inserted or replaced without screws, making the docking station ideal for service work, SSD testing, data migration, or quickly expanding the storage of a computer or laptop. A USB-C 10Gbps cable with a USB-A adapter is also included.

Reliable data transfer

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The USB 10Gbps (USB 3.2 Gen 2) interface provides a reliable transfer speed of 10 Gb/s for copying large files, backups, or working directly from an external SSD. The achieved speed also depends on the type and generation of the M.2 SSD used. At the heart of the docking station is the proven Realtek RTL9210B chipset, which helps maintain stable transfer speeds even under high load and during long-term operation. The result is smooth data transfer without significant fluctuations and efficient use of the performance of the connected SSD.

Disk in the system and quick replacement

After connecting the docking station to a computer, the inserted disk appears as a standard external drive ready for immediate use. You can store data on it, copy files, or use it for storage management. The docking station supports M.2 SSDs with no capacity limitation, the UASP transfer protocol, TRIM functions (NVMe Deallocate / ATA TRIM), and S.M.A.R.T. information reading. Plug and Play and power-saving mode support are also included.

Passive cooling with an aluminum body

Working with M.2 SSDs generates increased thermal load throughout the docking station. The aluminum body helps efficiently dissipate heat generated during operation and contributes to better thermal stability of the device. The robust metal construction also supports reliable operation during long-term use and intensive data transfers. The anti-slip pad reduces movement of the docking station on the desk and provides better stability during use.

Compatibility and easy connection

The included 25 cm USB-C cable with a USB-A adapter allows easy connection to modern devices with USB-C as well as older computers equipped with a standard USB-A port. If necessary, an additional USB-C DC 5 V power input can also be used to help provide sufficient power when using more power-demanding M.2 SSDs or less powerful USB ports. The docking station is compatible with older USB standards as well as modern USB4 and Thunderbolt 3, 4 and 5 interfaces. Plug and Play operation requires no driver installation, and Windows, macOS, Linux, Android, iPadOS, iOS and ChromeOS operating systems are supported.

Input:

- USB 10Gbps (USB 3.2 Gen 2), USB-C female connector.
- Compatible with USB 5Gbps, USB 20Gbps, USB 40Gbps, Thunderbolt 3 / 4 / 5.

Device support:

- 1× NVMe M.2 SSD or 1× SATA M.2 SSD.
- Designed for M key or B+M key cards.
- 1× NGFF 75-pin M key slot for M.2 drives.
- No maximum disk capacity limitation.

USB 10Gbps chipset for M.2 SSD:

- Realtek RTL9210B chipset.
- Maximum docking station bandwidth up to 10 Gbit/s.

Maximum theoretical supported speeds and compatibility with USB controllers (ports):

- Laptop / PC with a USB 10Gbps (USB 3.2 Gen 2) port: max. speed 10 Gbit/s.
- Laptop / PC with a USB 5Gbps (USB 3.2 Gen 1 / USB 3.0) port: max. speed 5 Gbit/s.
- Compatibility with USB 20Gbps, USB 40Gbps, Thunderbolt 3 / 4 / 5 ports: max. speed 10 Gbit/s.
- The real throughput / transfer speed of the docking station of around 1000 MB/s (1 GB/s) is determined by the limits of the USB 3.2 Gen 2 interface.

Other features:

- Support for M.2 drives in 2230, 2242, 2260, 2280 and 22110 sizes.
- Support for single-sided and double-sided M.2 SSDs.
- Complies with PCI Express Base Specification Revision 3.0.
- Complies with NVMe Express 1.3 specification.
- Complies with Serial ATA 3.1 specification (SATA/600), transfer speeds up to 6 Gb/s (600 MB/s).
- Complies with USB Mass Storage Class specification.
- BOT (Bulk-Only Transport) support.
- UASP (USB Attached SCSI) support for faster data transfer in Windows 8 and later.
- TRIM command support (via UNMAP and NVMe DEALLOCATE / ATA TRIM operations) to reduce gradual SSD performance degradation over time.
- S.M.A.R.T. (Self-Monitoring, Analysis, and Reporting Technology) support for monitoring disk health.
- Support for booting from SSD.

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- Full Plug and Play support.
- A higher surface temperature of the docking station is not a defect – thanks to the aluminum body, heat generated by the disk during operation is dissipated more effectively and transferred to the surrounding environment.
- Switch for turning the docking station on and off.

Other data:

- Docking station dimensions: 68 × 69 × 17 mm (W × D × H).
- Docking station weight: 78 g (without cable, without disk).

Power supply:

- Power supply via USB bus – USB bus power.
- Optional additional power supply via USB-C DC 5 V connector for more power-demanding M.2 SSDs.*

* Any USB-C charging adapter with a 5 V output and a recommended current of at least 2 A can be used for additional power supply (not included).

LED indication:

- LED indicates connection to the computer's USB port (steady light) and data transfer (flashing).

Supported operating systems:

- Windows 8.1 / 10 / 11 and later, macOS, iPadOS, iOS, Linux, ChromeOS and Android.
- Compatibility depends on an up-to-date operating system and support from the device manufacturer.

Package contains:

- USB-C 10Gbps docking station for 1× M.2 SSD,
- USB-C / USB-C cable 25 cm long with USB-C / USB-A adapter,
- multilingual manual CZ / DE / DK / ENG / ESP / EST / FIN / FR / GR / HR / HU / IT / LT / LV / NL / NOR / PL / PT / RO / SK / SLO / SRB / SWE / TR / UA / ALB / BG / BOS / CN / ARA,
- packed in a cardboard box.

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