Axagon EEM2-40G USB-C 40Gbps M.2 NVMe SSD Enclosure, ARMORED Aluminum

Model: EEM2-40G

Manufacturer: AXAGON

EAN: 8595247909473

Product Code: 1404593

R2,080

USB4 external enclosure for NVMe drives with high speed

The fast external AXAGON EEM2-40G ARMORED enclosure with USB4 interface allows you to take full advantage of the high performance of M.2 NVMe SSD drives with minimal throttling and stable operation. Transfer speed up to 40 Gb/s and wide compatibility including Thunderbolt interface make it a reliable solution for demanding use, for example when working with a MacBook. The durable aluminium body also serves as a passive heatsink and, together with the silicone sleeve, protects

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the device during everyday use. Backup of up to 1 TB of data in approximately 10 minutes, editing 4K video directly from an external drive, or reusing an older NVMe SSD as fast portable storage – all this can be handled with a single device. The package includes a USB-C 40Gbps cable.

40Gbps speed for data transfer without waiting

Lengthy copying of large files or the limitations of standard flash drives can significantly slow down your work. Thanks to the USB4 interface with speeds up to 40 Gb/s, this NVMe enclosure significantly reduces data transfer time and enables smoother work without unnecessary delays. The heart of the enclosure is the top-tier ASMedia ASM2464PD chipset, which maintains stable speed even under high load and long-term use. When using a fast NVMe SSD, up to 1 TB of data can be transferred in approximately 10 minutes (depending on the performance of the drive and host device).

Support for NVMe M.2 drives without capacity limitations

The enclosure is designed for M.2 NVMe SSD drives. It supports formats 2230, 2242, 2260 and 2280 mm in both single-sided and double-sided variants, without capacity limitations (including drives with capacities of 4 TB and higher). UASP support helps achieve more efficient data transfer, while TRIM support helps maintain SSD performance over time. The ability to read S.M.A.R.T. information allows monitoring of drive status.

No more worries about compatibility

Uncertainty whether an external drive will work with your device is a common issue. This USB4 external enclosure is backward compatible with older USB standards and supports Thunderbolt 3, 4 and 5, so it can be easily connected to both modern and older devices. Suitable for computers, laptops and MacBooks with a USB-C port, with support for Windows, macOS and Linux. It can also be used with mobile phones and tablets. Maximum transfer speed depends on the device used.

Simply insert the drive and start working

Opening with a single screw allows quick installation and replacement of the M.2 NVMe SSD drive. The internal design ensures easy insertion and secure fixing. Plug & Play operation without the need to install drivers is a matter of course. An ideal solution for fast data transfer between devices and

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storage expansion.

Efficient cooling for stable performance

The aluminum body and thoughtful thermal design of the enclosure act as an effective passive heatsink that dissipates heat from the SSD drive and helps maintain stable performance without slowdowns caused by „Thermal Throttling". This helps keep the drive temperature at a safe level even under higher load. Passive cooling excels over active cooling (with a fan) with completely silent operation, reliability and energy efficiency. The silicone sleeve protects the external enclosure against shocks, reduces slipping on the desk and increases user comfort.

Complete package for quick setup

The package includes all accessories for easy installation and quick setup, including USB-C 40Gbps cable 36 cm long, thermal pads and mounting accessories with a screwdriver for installing the M.2 SSD drive. The package also includes a silicone sleeve for protection of the external enclosure and an illustrated manual guiding you step by step through the installation.

Input:
• USB 40Gbps (USB4), USB-C female connector.
• Compatible with USB 5Gbps, USB 10Gbps, USB 20Gbps, Thunderbolt 3 / 4 / 5.

Device support:
• NVMe M.2 SSD drives,
• designed for M key or B+M key cards,
• NGFF 75-pin M key slot for M.2 drives.

Maximum theoretical supported speeds and compatibility with USB controllers (ports):
• Laptop / PC with USB 40Gbps (USB4) port: max. speed 40 Gbit/s.
• Laptop / PC with USB 20Gbps (USB 3.2 Gen 2x2) port: max. speed 20 Gbit/s.
• Laptop / PC with USB 10Gbps (USB 3.2 Gen 2) port: max. speed 10 Gbit/s.
• Laptop / PC with USB 5Gbps (USB 3.2 Gen 1 / USB 3.0) port: max. speed 5 Gbit/s.
• Compatibility with Thunderbolt 3 / 4 / 5 ports: max. speed 10 to 40 Gbit/s depending on the processor and chipset used.
• Real throughput / transfer speed of the enclosure around 4000 MB/s (4 GB/s) is limited by the USB

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40Gbps interface.

Other features:

• Support for M key or B+M key NVMe (PCI Express) M.2 SSD drives without maximum capacity limitation.
• Support for M.2 drive sizes – 2230, 2242, 2260, 2280 mm.
• Support for single-sided and double-sided M.2 SSD drives.
• Compliant with PCI Express Base Specification Revision 4.0.
• Compliant with Universal Serial Bus 4 Revision 1.0.
• Compliant with NVM Express 1.4c.
• Compliant with USB Mass Storage Class.
• Support for BOT (Bulk-Only Transport).
• Support for UASP (USB Attached SCSI) for faster data transfer in Windows 8 and later.
• Support for TRIM function to reduce gradual SSD performance degradation over time.
• Support for S.M.A.R.T. (Self-Monitoring, Analysis, and Reporting Technology) for drive status monitoring.
• Support for booting from SSD in the external enclosure.
• Possibility of connecting the device during operation thanks to Hot Plug support.
• Full Plug and Play support.
• Power supply via USB bus up to 900 mA from a single USB port is sufficient in all cases.
• Subtle LED indicating connection to USB port (steady light) and data transfer (blinking).
• Durable aluminum body and thermal pad contribute to better cooling of the M.2 SSD.
• Higher surface temperature of the enclosure is not a defect, thanks to the metal body heat is dissipated more efficiently into the surroundings.
• ASMedia ASM2464PD chipset.
• USB Type-C male / USB Type-C male cable, length 36 cm, included.

Additional data:

• Enclosure dimensions 20 × 104 × 50 mm (H × W × D).
• Enclosure weight 169 g (without cable, drive, sleeve).

Supported operating systems:

• Windows 8.1 / 10 / 11 and later, macOS, Linux and Android.
• Compatibility depends on updated operating system and manufacturer support.

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Package contents:

- USB-C 40Gbps external enclosure for M.2 SSD,
- silicone sleeve,
- USB-C / USB-C cable, length 36 cm
- 2 pcs thermal pads,
- mounting material and screwdriver,
- multilingual manual,
- packed in cardboard box with hanging hole.

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