



Axagon HMC-12GM2, USB 10Gbps hub, 3x USB-A, USB-C, HDMI, DP, RJ-45, M.2, SD/mSD, audio, PD

Model: HMC-12GM2

Manufacturer: AXAGON

EAN: 8595247907783

Product Code: 1424695

R2,842

Multiport USB-C 10Gbps hub AXAGON HMC-12GM2 GEN2COMBO 12in1 expands your laptop, computer or phone with eleven ports and external box for M.2 disk.

You can easily and quickly connect up to two monitors, four USB devices, a Gigabit Ethernet network, headphones, an SD card reader, and an NVMe or SATA M.2 SSD o your computer via the reversible USB-C connector. You also get the possibility to supply laptop using Power Delivery technology at the same time. The USB-C hub will provide you with a simple and compact 12in1 docking station for notebook like MacBook Air or Pro.

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The USB hub offers three USB outputs with standard USB-A connectors. Two with 5Gbps speeds and a third with 10Gbps speeds for more demanding devices. It also offers a USB-C 10Gbps data connector. The hub can also handle permanent connection of two external drives simultaneously. Thanks to the fast USB 3.2 Gen 2 interface, the hub's transfer rate is up to 10Gbps.

The second USB-C connector is reserved only for powering and simultaneous charging of laptops using Power Delivery 3.0 technology with a power of up to 100W. Connect a suitable USB-C Power Delivery charger into the hub and connect the hub to a laptop that supports Power Delivery. This saves one USB-C port.

HDMI and DisplayPort outputs provide a high-quality picture. Whether used alone or simultaneously, the ports offer resolutions up to 4K/60Hz Ultra HD and support multi-channel audio transmission. High frequencies at popular gaming resolutions of 2K/144Hz or FullHD/240Hz are also supported. Thanks to HDR (high dynamic range) support, you can enjoy a significantly expanded range of colors and contrasts without restrictions. For video outputs to work properly, the laptop must have a USB-C port with DisplayPort Alternate Mode (DP Alt Mode) support or a Thunderbolt 3 port and above.

You can connect a NVMe or SATA M.2 SSD drive thanks to the built-in slot on the back. The multiport hub thus becomes an external drive. M.2 cards can be single-sided or double-sided up to a size of 22x80 mm. The external M.2 box has no capacity limitations for SSDs and supports modern functions such as TRIM, UASP and enables reading S.M.A.R.T. disk status monitoring information.

Gigabit network card extends your computer by a fast and stable network connection, adds the missing RJ-45 network connector or another network card.

Card reader supports all versions of SD and microSD cards including SDXC and microSDXC with capacity up to 2TB. Thanks to the high-speed USB interface, you can make the most of the potential of modern memory cards. The card reader enables simultaneous handling of cards in both slots and direct copying between them.

The elegant aluminum body ensures not only mechanical resistance, but also passive cooling. Active cooling is provided by a silent integrated fan, which cools both the M.2 disk and the body of the hub itself. You will also be pleased with the finely textured surface, which does not leave fingerprints. The port replicator is the ideal accessory for laptops with a lack of USB connectors, memory or video outputs. **The 50 cm USB-C cable is detachable and can be replaced with a longer cable if needed.**

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You can use your current USB peripherals without having to purchase new ones. Thanks to the Plug and Play and Hot Plug functions, connecting the hub itself is very simple without complicated installation, and peripherals can also be easily connected and disconnected while the computer is running. The hub does not afraid of connection to phones with a USB-C connector. For example, you can connect a flash drive, keyboard, mouse, display, TV or projector to the phone.

Input:

- USB 10Gbps (USB 3.2 Gen2).
- Compatible with Thunderbolt 3/4.
- Connection via reversible USB type C female connector.

USB outputs:

- 1x USB 10Gbps port, USB-A female connector.
- 2x USB 5Gbps port, USB-A female connector.
- 1x USB 10Gbps port, USB-C female connector.
- 1x USB Power Delivery 100W (only for charging), USB-C female connector.
- USB-C hub can handle the connection of two external drives simultaneously.

Video outputs:

- 1x HDMI A port, HDMI A female connector.
- 1x DP port, DisplayPort female connector.

Video resolution and properties:

- Maximum supported resolution when each port is connected individually is 4K / 4096 x 2160 at 60 Hz.
- 2 simultaneously connected monitors - up to 4K/60Hz on both monitors.
- For proper video output function, the hub must be plugged into a USB-C port with DisplayPort Alternate Mode (DP Alt Mode) version 1.4 or higher, or a USB-C port with Thunderbolt 3/4 support. A suitable OS is also required. The video output function will not be available without these requirements.
- HDR support (High dynamic range, 10bit support) - realistic reproduction of light and dark details.
- HPD (Hot-Plug-Detect) support.
- TMDS (Transition Minimized Differential Signalling) support.

- **HDCP 1.4 and 2.3 (High-bandwidth Digital Content Protection) full support.**

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- Supports up to 8-channel LPCM audio, compressed audio (AC-3, DTS), and HBR audio formats.
- Supports sample rates up to 192 kHz and up to 24-bit audio - depends on the source and destination device, i.e. laptop/phone and TV/monitor/AV receiver.

Power Delivery:

- Power Delivery 3.0 support – device power supply from the wall charger via USB-C hub.
- Maximum power supply power via PD USB-C hub output 100W - 20V/5A.
- Required PD support from the device (laptop, phone) and a suitable PD wall charger.

The card reader - two slots:

- Slot Micro SD: microSD / microSDHC / microSDXC / TransFlash.
- Slot SD: SecureDigital / SDHC / SDXC, MultiMedia Card, MMC 4.0, MMC Dual Voltage, MMC mobile, RS-MMC, with adapter - miniSD, microSD / microSDHC / microSDXC, MMC Micro.

The reader supports the following flash card specifications:

- SD 1.0/1.1 (SD - Secure Digital, up to 2GB).
- SD 2.0 (SDHC - Secure Digital High Capacity, up to 32GB).
- SD 3.0 (SDXC - Secure Digital eXtended Capacity, up to 2TB).
- MMC and eMMC 3.x / 4.0 / 4.1 / 4.2 / 4.3 / 4.4 / 4.5 / 5.0 (8-bit).
- Supports SD 3.01 and SD Jukebox applications (CPRM functions).
- Supports Ultra High Speed bus UHS-I (SDR12/SDR25/SDR50/DDR50/SDR104) speeds up to 104 MB/s.
- Supports hardware ECC (Error Correction Code) function and CRC (Cyclic Redundancy Check) function.
- 2 LUN - the reader is indicated as two disk drives in the file manager.
- Copying from card to card.

M.2 SSD slot:

- NVMe & SATA M.2 SSD disks.
- Designed for M key or B+M key format cards.
- NGFF 75-pin M-key slot for M.2 drives.
- Supports M.2 drives with a size of 2242, 2280 mm.
- Support of both one-sided and double-sided M.2 SSDs.
- **Compliant with PCI Express Base Specification Revision 3.1a specification.**

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- Compliant with NVMe Express 1.3 specification.
- Compliant with Serial ATA 3.2 specification (SATA/600), bit rates of up to 6 Gb/s (600 MB/s).
- Compliant with USB Mass Storage Class specification.
- Supports UASP (USB Attached SCSI) for faster data transmission in Windows 8 and later.
- Support of TRIM functionality to limit gradual degradation of the SSD performance over time.
- Support for booting from an SSD in the hub's M.2 slot.

RJ-45 output:

- Gigabit Ethernet interface with RJ-45 connector for UTP or STP cable connection.
- Supported transmission rates for the Ethernet interface 10/100/1000 Mb/s.
- Supported IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T specifications.
- 10/100/1000 Mbit/s auto-detection.
- Supports IPv4 / IPv6 packet Checksum Offload Engine (COE) to reduce processor load, including IPv4 IP/TCP/UDP/ICMP/ IGMP & IPv6 TCP/UDP/ICMPv6 checksum control and generation.
- Supports TCP Large Send Offload V1 and V2.
- Supports IEEE 802.1P Layer 2 priority encoding & decoding.
- Supports IEEE 802.1Q VLAN tagging.
- Supports IEEE 802.3az EEE (Energy Efficient Ethernet) - reduce power consumption at rest.
- Supports Jumbo frame.
- Supports full-duplex transmissions with IEEE 802.3x flow control and half-duplex transmissions with back-pressure flow control.
- Supports Auto MDI/MDIX - crossover detection and auto-correction eliminates the need for crossover cables.
- Supports hardware Cyclic Redundancy Check (CRC) to detect transmission errors.
- Supports Pair Swap/Polarity/Skew Correction.
- Wake-on-LAN function in different modes: Supports sleep mode and remote Wake Up via Magic Packet, Microsoft Wakeup Frame, Microsoft Wake Packet Detection, ECMA-393 proxZzzy® for sleeping hosts, RealWoW! and also Link Change Wake-up.
- Advanced Power Management features: The adapter supports advanced power management and supports advanced power saving e.g. when the Ethernet cable disconnection. Supported Power Management technologies are e.g. Advanced Configuration Power management Interface (ACPI), Link Power Management (LPM) or IEEE 802.3az EEE (Energy Efficient Ethernet) and others.

Audio output / input:

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- 1x 3.5 mm jack for headset, headphones or active speakers,
- 2-channel analog stereo output 48 kHz @ 16 bit for playback,
- 1-channel analog mono microphone input 48 kHz @ 16 bit for recording.

Other features:

- Compatible with USB 10Gbps (USB 3.2 Gen 2).
- Backward compatible with USB 5Gbps (3.2 Gen 1 / USB 3.0).
- Supports transmission rates 10.000 / 5.000 Mbit/s.
- Possibility to connect your device while running thanks to the Hot Plug support.
- Full Plug and Play support.
- Standby mode support.
- Power via USB bus - USB bus power or from PD wall charger.
- Heavy-duty aluminium body for better hub cooling. Higher surface hub temperature is not a problem - the heat generated by the hub and M.2 disk operation is better dissipated and transferred to the surroundings.
- The LED indicates the data transfer of the M.2 drive.
- High quality shielded cable ensures fast communication speed and minimal unwanted interference.
- Dimensions 149 x 65 x 17 mm.
- Weight 178 g (incl. cable).
- USB cable length 50 cm.

Supported operating systems:

- Windows 10 / 11 and later, macOS, Linux, Chrome OS and Android.
- Compatibility depends on used OS and support from device manufacturer.
- DisplayPort Alternate Mode (DP Alt Mode) is only supported in updated OS and also depends on support from device (notebook, phone) manufacturer.
- Graphics card drivers may also affect the correct operation of the product. We recommend downloading the latest version of drivers.

Package contains:

- USB-C hub
- USB-C cable 50 cm long
- mounting material
- multilingual manual in CZ / DE / DK / ENG / ESP / FIN / FR / GR / HR / HU / IT / NL / PL / PT / RO / RU /

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SK / SWE / TR / BG / CN / ARA

- packed in a cardboard box

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