USB-C 90 Horizontal 8K Adapter (Male to Female)

Professional product datasheet for retail, distribution, sales, and technical reference.



Product positioning

MCA8H is a compact USB-C horizontal angle adapter designed to reduce cable strain, improve port accessibility, and support high-speed USB-C connectivity.

Package list

1 x MCA8H USB-C Horizontal Adapter

1 x Retail packaging

Model:**MCA8H**

Core highlights

- USB-C male to USB-C female horizontal adapter
- Up to 20Gbps data transfer
- Up to 8K@60Hz video output support
- PD 100W charging support
- Zinc alloy premium body

20Gbps
Data Transfer

100W
Power Delivery

8K 60Hz
Video Support

Contents

1. Product Overview	3
2. Key Features	4
3. Technical Specification	5
4. Design & Construction	6
5. Performance Details	7
6. Compatibility & Applications	8
7. Installation & Usage	9
8. Care, Safety & FAQ	10

1. Product Overview

The Mowsil MCA8H USB-C 90 Horizontal 8K Adapter is a male-to-female USB-C adapter designed for devices where a straight cable connection is inconvenient. The horizontal angle helps keep the cable close to the device body, reducing cable bend and improving desk, gaming, laptop, and mobile setups.

Recommended for

- Laptop, tablet, phone, gaming handheld, monitor, and desktop USB-C setups.
- Reducing cable strain near USB-C ports.
- Keeping USB-C cables low-profile in tight spaces.
- Video, data, and charging applications with compatible devices.

Male-Female	Horizontal	2 Years
USB-C Adapter	90 Angle	Warranty





2. Key Features

90 Horizontal Angle Low-profile design helps direct USB-C cables horizontally away from the device.	**20Gbps Data Transfer** Supports high-speed USB-C data transfer up to 20Gbps when used with compatible devices and cables.	**8K@60Hz Video** Supports up to 8K@60Hz video output under compatible USB-C DP Alt Mode conditions.
PD 100W Charging Power Delivery support up to 100W when paired with compatible chargers, cables, and devices.	**USB 3.2 Compatible** Designed for USB 3.2 compatible connectivity and backward compatibility with lower USB versions.	**Zinc Alloy Body** Premium metal body provides strength, heat dissipation, and a clean product finish.
Plug and Play No driver installation required for supported USB-C functions.	**Compact Travel Size** Easy to keep in laptop bags, gaming kits, office drawers, or retail accessory packs.	**Device Protection** Helps reduce sharp bending at USB-C ports and cable connectors.

Actual output depends on the connected device, cable specification, charger wattage, monitor resolution, and port capability.

3. Technical Specification

Brand	MOWSIL
Model	MCA8H
Product Name	USB-C 90 Horizontal 8K Adapter
Adapter Type	USB-C male to USB-C female horizontal adapter
Data Speed	Up to 20Gbps
Video Support	Up to 8K@60Hz
Charging Support	PD 100W
Compatibility	USB 3.2 compatible
Material	Zinc alloy
Color	Black / metallic finish
Function	USB-C port angle conversion for data, charging, and video
Warranty	2-year replacement warranty as shown on packaging

4. Design & Construction

Horizontal 90-degree Design	The right-angle horizontal orientation routes cables parallel to the device side for a cleaner setup.
Male-to-Female Extension	Extends and redirects an existing USB-C port without converting to another connector type.
Zinc Alloy Shell	Metal body helps provide a sturdy, premium finish and improves product durability.
Compact Body	Small size makes it suitable for laptops, tablets, mobile phones, gaming handhelds, and desks.
Connector Fit	Designed for daily plug-in and plug-out usage with compatible USB-C devices.
Cable Strain Relief	Helps reduce direct cable stress on USB-C ports in tight spaces or gaming setups.

5. Performance Details

High-Speed Data	Use with compatible USB-C devices and cables to achieve up to 20Gbps transfer speeds.
Display Output	Supports up to 8K@60Hz video only when the source device, cable, monitor, and adapter chain support DP Alt Mode and required bandwidth.
Power Delivery	Supports PD charging up to 100W under compatible charger, cable, and device conditions.
Backward Compatibility	Can work with lower-speed USB-C devices, but output will follow the lowest capability in the chain.
Heat Handling	Zinc alloy body supports better heat handling than basic plastic bodies during charging or high-bandwidth use.
Plug and Play	No external driver is required for standard USB-C functions supported by connected devices.

20Gbps	8K60	100W
Max Data	Max Video	Max PD

6. Compatibility & Applications

Laptop Cleaner cable routing for USB-C hubs, monitors, drives, and charging cables.	**Desktop PC** Useful for rear or side USB-C ports with limited space.
Monitor Keeps USB-C video/data cables aligned in tight setups.	**Phone / Tablet** Useful for horizontal charging and display accessories.
Gaming Handheld Improves cable direction during handheld gaming and docked setups.	**USB-C Accessories** Works with compatible USB-C cables, hubs, storage devices, and chargers.

Compatibility note: The adapter does not add new features to a device. The connected device, cable, charger, and monitor must already support the required data, charging, or video function.

7. Installation & Usage

1	Connect the MCA8H male USB-C plug to a compatible USB-C device port.
2	Connect the USB-C cable or accessory to the female USB-C port of the adapter.
3	For video output, ensure the device supports USB-C display output / DP Alt Mode.
4	For fast charging, use a compatible PD charger and a USB-C cable rated for the required wattage.
5	For high-speed data transfer, use a compatible USB-C 20Gbps device and cable.
6	Remove the adapter by holding the adapter body. Do not twist or pull only by the cable.

8. Care, Safety & FAQ

Use rated cables To reach 20Gbps, 8K60, or 100W, the connected USB-C cable must also support the required rating.	**Avoid force** Do not force the adapter into a port or use it where the angle creates heavy leverage.
Keep dry Avoid liquid, dust, and corrosion on USB-C contacts.	**Check heat** Disconnect if a charger, cable, adapter, or device becomes unusually hot.
Store safely Keep in a pouch or accessory box when traveling to avoid scratches and connector damage.	**Inspect regularly** Stop use if the metal shell, connector, or port becomes loose or damaged.

Does MCA8H support 8K video?

Yes, up to 8K@60Hz when the source device, cable, monitor, and port all support the required video output.

Does it support 100W charging?

Yes, PD 100W is supported under compatible charger, cable, and device conditions.

Can it increase my USB-C port speed?

No. It supports up to 20Gbps, but actual speed follows the lowest-rated device, cable, or port in the chain.

Is it for charging only?

No. It is designed for charging, data, and video use when connected devices support those functions.

What is the material?

The packaging lists zinc alloy material.

What is the connector type?

USB-C male to USB-C female horizontal adapter.