

TYPE-C HUB

12 in 1

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



Package list

1 x MOCHB12 Type-C Hub
1 x Retail box packaging

Core highlights

- 12-in-1 multiport expansion for USB-C devices
- Dual HDMI + VGA display output support
- USB-C PD charging up to 100W
- Gigabit LAN, SD/TF card reader, and 3.5mm audio

12 in 1

Connectivity

4K

HDMI Video

100W

Power Delivery

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Product overview

MOCHB12 is a compact 12-in-1 USB-C hub designed to expand a laptop, tablet, or compatible USB-C device into a complete workstation. It combines video output, data transfer, network connection, card reading, audio, and PD charging in one portable hub.



Recommended for

Offices, mobile workstations, conference rooms, education setups, and travel.



Positioning

Premium multiport hub with zinc material, braided cable, and transparent design.



Warranty

Retail-ready product with 2-year replacement warranty support.

Key Features

Distributor-friendly feature overview for sales and product listing use.

12 12-in-1 Expansion

Connect displays, USB devices, LAN, memory cards, audio accessories, and PD power through one USB-C hub.

4K Dual HDMI Output

HDMI x 2 supports up to 4K@30Hz for external displays, TVs, and projectors.

VGA VGA Display Port

VGA output supports HD video resolutions for legacy monitors and meeting room projectors.

PD 100W PD Charging

USB-C PD input supports up to 100W charging for compatible laptops and USB-C devices.

5G Fast USB Transfer

USB 3.0 ports support data transfer up to 5Gbps for flash drives and peripherals.

LAN Gigabit Ethernet

RJ45 LAN port supports 10/100/1000Mbps wired network connection.

SD SD / TF Reader

Built-in SD and Micro SD card slots for quick file access and media transfer.

AUX 3.5mm Audio

Connect earphones or speakers through the dedicated audio jack.

Zn Zinc Material

Premium body construction supports durability and heat dissipation.

Port Layout & Connectivity

MOCHB12 combines display, data, network, card reader, audio, and charging ports.



Available Ports

- USB-C host cable
- USB-C PD power input
- HDMI x 2
- VGA output
- RJ45 Gigabit LAN
- USB 3.0 x 2
- USB 2.0 x 2
- SD card slot
- Micro SD / TF slot
- 3.5mm audio jack

Connection Area	Purpose
Display	Dual HDMI and VGA output for monitors, TVs and projectors
Data	USB-A ports for flash drives, keyboard, mouse and accessories
Network	RJ45 LAN for stable wired internet
Media	SD and TF card slots for photo and file transfer
Audio	3.5mm jack for earphones or speakers
Power	USB-C PD pass-through charging up to 100W

Note: Available display modes and resolution depend on the connected host device, operating system, display cable, and monitor capability.

Technical Specification

Item	Specification
Brand / Model	MOWSIL / MOCHB12
Product Name	Type-C Hub 12 in 1
Host Interface	Integrated USB-C connector cable
USB Ports	USB 3.0 x 2 + USB 2.0 x 2
HDMI Output	HDMI x 2, up to 4K@30Hz (3840 x 2160 @ 30Hz)
VGA Output	Supports HD video resolutions
Network	Gigabit Ethernet 10 / 100 / 1000 Mbps
Card Reader	SD + Micro SD / TF card reader
Audio	3.5mm audio jack for earphone / speaker connection
Power Delivery	USB-C PD supports up to 100W charging
Input Rating	20V / 5A
Output Rating	USB-A 3.0: 5V/0.9A; USB-A 2.0: 5V/0.5A
Material	Zinc alloy body with transparent top panel
Warranty	2-year replacement warranty

Important: USB-C host device must support the relevant functions. Display output, charging speed, and data transfer speed may vary according to device capability, cable quality, operating system, and connected accessories.

Video & Display Performance

Designed for flexible display expansion using HDMI and VGA outputs.

2x Dual HDMI

HDMI x 2 supports up to 4K@30Hz output for supported monitors and TVs.

VGA VGA Output

Supports HD video resolutions for older displays, projectors, and meeting rooms.

3x Triple Display

Supports multi-screen workflows when host hardware and OS support it.

MIR Mirror Mode

Show the same content on laptop and external display for presentations.

EXT Extended Mode

Expand workspace across screens for multitasking and productivity.

PnP Plug & Play

No driver required for supported USB-C video devices in normal use.

Mode	Typical Use
Mirror Display	Present the same screen on laptop and external display
Extended Display	Use another screen for multitasking
Single External Display	Use monitor, TV, or projector as the main screen
Multi-Display Setup	Use HDMI / VGA combinations if supported by the host system

Display output requires a USB-C source device that supports video output through USB-C. Actual resolution and refresh rate depend on the source device, connected display, and display cable.

USB, Network & Audio Performance

Everyday expansion for storage, peripherals, internet, and audio devices.

5G

USB 3.0 x 2

Up to 5Gbps transfer for external drives, flash drives, keyboards, mice, and accessories.

U2

USB 2.0 x 2

Reliable connection for low-power peripherals and standard USB devices.

LAN

Gigabit LAN

RJ45 supports 10/100/1000Mbps wired network connection.

SD

SD / TF Reader

Read and write SD and Micro SD / TF cards for photos, video, and files.

AUX

3.5mm Audio

Connect earphones or speakers for meetings, calls, and media playback.

ALL

Universal Workflow

Use one hub for office, home, travel, school, and conference setups.

Performance notes

- Use USB 3.0 ports for high-speed drives and USB 2.0 ports for basic peripherals.
- For maximum network stability, connect RJ45 to a reliable router or switch.
- Card-reader speed depends on the card quality and device compatibility.

Power Delivery & Charging

USB-C PD pass-through charging keeps the workstation powered while accessories stay connected.

100

100W PD Input

USB-C PD port supports up to 100W power delivery for compatible laptops and chargers.

20V

20V / 5A Input Rating

Designed for high-power USB-C PD adapter input rating as listed on the retail package.

PD

Pass-Through Charging

Connect the charger to the hub PD port while the hub remains connected to the laptop.



Item	Guidance
Recommended charger	Use a quality USB-C PD charger and certified USB-C cable
Charging behavior	Actual wattage depends on laptop, adapter, cable, and active ports
Power allocation	Connected USB devices may share available power
Best practice	Avoid damaged adapters, unstable power sources, or overloaded setups

Construction, Compatibility & Care

Built for daily multi-device connectivity with a durable compact design.

Zn

Zinc Material

Premium body construction supports durability and heat dissipation.

BR

Braided Cable

Integrated braided USB-C cable is designed for daily portable use.

GL

Transparent Design

Top panel shows internal design for a distinctive product look.

Compatibility	Supported Platform / Device
Operating Systems	Windows, macOS, iOS / iPadOS, Android, and Linux where supported
Apple Devices	Compatible with Apple M1, M2, M3 Pro, and M3 Max listed on package
USB-C Devices	MacBook, iPad Pro, Surface, Chromebook, Galaxy and compatible USB-C devices
Requirement	USB-C host must support video output and PD as needed

Care & storage

- Keep the hub dry and away from direct moisture.
- Use certified chargers and avoid unstable power sources.
- Do not bend or pull the integrated USB-C cable forcefully.
- Clean the exterior gently with a dry soft cloth.
- Store in a cool, dry place when not in use.

FAQ

Retail-ready support information for distributors and end customers.

Does it support charging?

Yes, the USB-C PD port supports up to 100W pass-through charging with compatible equipment.

Can it connect two HDMI displays?

Yes, HDMI x 2 is included. Output depends on host and monitor capability.

Does VGA work with old projectors?

Yes, VGA supports HD video resolutions for compatible displays and projectors.

Can I use SD and TF cards?

Yes, both SD and Micro SD / TF card reader slots are available.

Does it need a driver?

Normally no. It is plug and play for supported USB-C devices.

MOWSIL – Durable Connectivity

For product information, distributor support, and datasheets: www.mowsil.com