

7-Port Industrial USB 10Gbps Hub with Power Adapter, Metal, Mountable, 5x USB-A and 2x USB-C Downstream Ports, ESD Protection, Powered USB Hub, TAA

**Product ID:** HB31C5A2CME



The 7-Port Industrial USB 10Gbps Hub with Power Adapter features 5x USB-A and 2x USB-C device ports. Built with a durable all-metal enclosure, it withstands harsh and industrial environments while offering Level-4 Electrostatic Discharge (ESD) protection (15kV Air / 8kV Contact) to safeguard connected devices. For secure connections, this hub includes two 3.3ft (1m) USB cables (USB-C to C & USB-C to A) with side screw locking to prevent accidental disconnection. The hub can be surface-mounted (on or under a desk, wall-mounted) or DIN rail-mounted, ensuring a secure and space-efficient installation.

This versatile hub can be powered via the included universal power adapter or the 7-24V DC terminal block, making it ideal for industrial settings or where standard power outlets may be limited.

When not connected to a host, the hub functions as a dedicated charging station, supporting BC1.2 charging / Dedicated Charging Port (DCP) across all ports. Each port delivers up to 2.4A, with a total power budget of 40W (8A) when all ports are in use, ensuring efficient charging for multiple high-powered peripherals.

With speeds of up to 10Gbps on all downstream ports, this hub is ideal for data storage banks, SSDs, NVMe enclosures, RAID drive enclosures, and 3D printers/scanners. It is fully backwards compatible with USB 3.2 Gen 1 (5Gbps), USB 2.0, and USB 1.x devices.

This TAA Compliant hub is compatible with all operating systems and host devices and has been tested for compatibility with Windows, macOS, Linux, and ChromeOS.

## Certifications, Reports and Compatibility





## Applications

## Features

- **7-PORT INDUSTRIAL USB HUB:** Plug-and-play USB 3.2 Gen 2 hub with durable metal housing, ideal for harsh environments; Features 5x USB-A plus 2x USB-C ports with 10Gbps shared bandwidth, ESD Protection (15kV air/8kV contact) and 350W surge protection
- **VERSATILE MOUNTING:** Securely install on or under a desk, wall, or DIN rail with built-in mounting ears and included DIN clips; Includes two 3.3ft (1m) USB-C to C/USB-C to A cables with screw lock USB-C host connector to prevent unwanted disconnections
- **HIGH-SPEED DATA TRANSFER:** Achieve speeds up to 10Gbps on all downstream ports, ideal for data storage banks, SSDs, NVMe enclosures, RAID enclosures, 3D printers/scanners, and more; Backwards compatible with USB 3.0 (5Gbps), 2.0 and 1.x
- **POWER AND CHARGE:** Functions as a charging station when not connected to a host; Provides 12W (2.4A) on all ports up to a total 40W draw; Powered via universal adapter (included) or 7-24V DC terminal block
- **COMPATIBILITY:** OS independent and tested for compatibility with Windows/macOS/Linux/ChromeOS; No drivers or software required; USB Event Monitoring Utility available; TAA Compliant

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### Hardware

Warranty	2 Years
Interface	USB 3.2 Gen 2 / 10Gbps
Bus Type	USB 3.2 Gen 2 10Gbps
Industry Standards	USB 3.0 - Backward compatible with USB 3.0 (5Gbps), 2.0, and 1.x.
Chipset ID	VIA/VLI VL822

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### Performance

Maximum Data Transfer Rate	10 Gbps (USB 3.2 Gen 2)
Type and Rate	USB 3.2 Gen 2 - 10 Gbit/s
ESD Protection	+/-15kV (Air) +/-8kV (Contact)

Supported Charging Outputs	BC 1.2 (1.5A)
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MTBF	163,021.7 hours
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#### Connector(s)

External Ports	1 - Terminal Block (2 Wire)
	5 - USB 3.2 Type-A (9 pin, Gen 2, 10Gbps)
	2 - USB 3.2 Type-C (24 pin, Gen 2, 10Gbps)

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#### Software

OS Compatibility	OS Independent; No additional drivers or software required
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#### Indicators

LED Indicators	7 - USB Port Status LEDs: Solid Green - USB Peripheral is Connected Off - USB Peripheral is Not Connected
	1 - Power LED Solid Green: USB Hub is receiving power

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#### Power

Power Source	AC Adapter Included
Input Voltage	100 - 240 AC
Input Current	1.4A
Output Voltage	20V DC
Output Current	3.25A
Plug Type	Terminal Block (2 Wire)

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#### Environmental

Operating Temperature	0C to 55C (32F to 131F)
Storage Temperature	-20C to 85C (-4F to 185F)
Humidity	5%~95% RH (Non-condensing)

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#### Physical Characteristics

Color	Black
Form Factor	Industrial
Material	Steel
Product Length	7.1 in [18 cm]
Product Width	2.4 in [6 cm]
Product Height	1.0 in [2.5 cm]
Weight of Product	10.2 oz [290 g]

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**Packaging Information**

Package Quantity	1
Package Length	7.4 in [18.7 cm]
Package Width	11.4 in [29.0 cm]
Package Height	2.8 in [7.0 cm]
Shipping (Package) Weight	3.0 lb [1.4 kg]

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**What's in the Box**

Included in Package	1 - USB Hub
	1 - 3.3 ft [1 m] USB-C to USB-C Locking Cable
	1 - 3.3 ft [1 m] USB-A to USB-C Locking Cable
	1 - Universal Terminal Block Power Adapter (NA/JP, UK, EU, ANZ)
	1 - DIN Mounting Kit
	1 - Product Documentation

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**Warranty Information**

Warranty	2 Years
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***\*Product appearance and specifications are subject to change without notice.***