



LIGHTWARE

INNOVATIVE, RELIABLE, MADE IN EUROPE.



Reliable Medium-Distance USB-C Extension with 100W Charging

Extend Your Reach and
Power Up Your Device



USBC-BOOSTER-V1

Modern meeting rooms depend on USB-C connections: for BYOD laptops, video bars, cameras, and displays, yet the physical limitations of cable length often create unnecessary complexity.

Lightware’s **USBC-BOOSTER-V1** is a compact, plug-and-play device which extends a full-featured USB-C connection up to **12 meters**, while providing stable **power charging up to 100 W** and full support for **USB 2.0/3.2 data and DisplayPort Alt Mode**.

The Challenge: When “Just a Cable” Isn’t Enough

In the field, AV integrators know that USB-C isn’t as simple as it seems. The standard passive cable length tops out at roughly 5 meters. Beyond that, signal integrity becomes unreliable, power delivery begins to drop and devices begin to disconnect, especially when laptops need to charge simultaneously.

Active optical cables promise longer reach, but they bring their own set of compromises. They are expensive, mechanically fragile, and difficult to install in tight spaces. A single damaged connector often means replacing the entire cable assembly, driving up maintenance costs and downtime. In short: there has been no clean middle ground between “too short” and “too complicated.” Until now.



Proposed Attributes

Interfaces	Host-side connector	1 × USB Type-C receptacle
	Device-side connector	1 × USB Type-C receptacle
	Power input	IEC standard connector, 110-230 V
Technical characteristics	Maximum data speed	5 Gbps
	Data type	USB 3.2 Gen 1, USB 2.0, USB 1.1
	USB 2.0 data speed	480 Mbps
	Displayport alternate mode	Yes, HBR2 (up to 4096×2160@60Hz at RGB 4:4:4), supports 2-lane/4-lane mode
	Power Delivery to host	up to 100 W (20 V, 5 A)
Dimensions	Width	221 mm
	Height	42.5 mm
	Depth	142 mm

The Solution is Lightware's USBC-BOOSTER-V1

First of all: the booster is not just a single black box, the basic kit includes an active inline device engineered to **boost, equalize, and power long USB-C runs**, a power cable and 4 C-locks, so you can fix and attach every cable endpoint properly. Sitting invisibly between two cables, the booster regenerates both the **data and video signal paths**, while its internal power supply delivers stable **100 W charging** to connected BYOD laptops and devices.

This compact black box requires **NO external power brick or adapters**. Integrators simply connect the host-side cable, the device-side cable, and the included power input, and the link is ready to perform. Passive cooling ensures silent operation, and the robust enclosure makes it ideal for under-table or wall-mounted environments.

The basic V1 kit can be purchased in two further bundles:

USBC-BOOSTER-V1B (BYOD) with 7m USB-C cable made for the Booster

USBC-BOOSTER-V1P (Presentation) with 3m USB-C to HDMI cable



BYOD Laptop



Any Lightware Produced
Passive USB-C Cable

USBC-BOOSTER-V1



USB-C BOOSTER



Power Cable



C-Lock (4x)



V1B Bundle



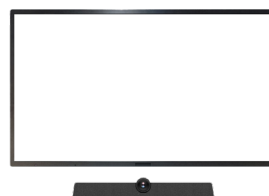
USB-C 7 m cable
made for the Booster



V1P Bundle



USB-C to HDMI
3 m cable



Display or Video Conferencing Bar

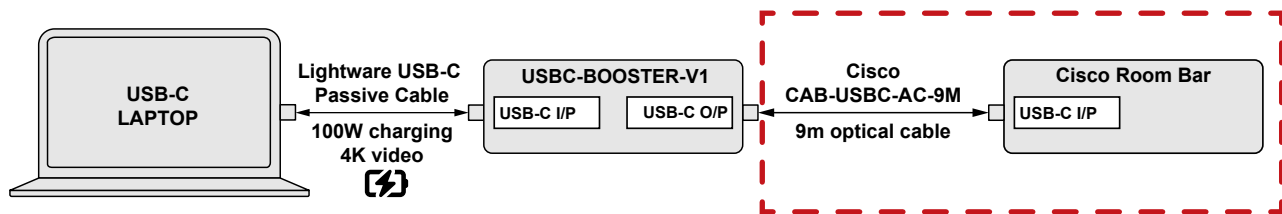
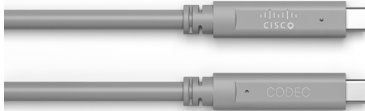
Where It Fits: Real-World Use Cases



Cisco Webex Rooms equipped with Cisco AOC cables

Have you ever faced the scenario when a high-end Cisco meeting environment lacked one small touch? The Booster is finally here to help you out when Cisco's optical cables are just not enough:

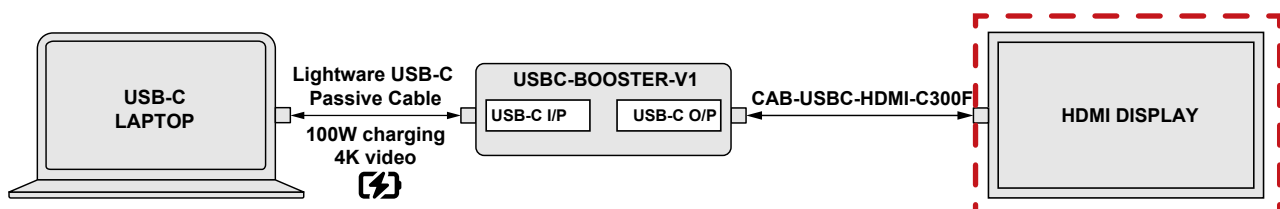
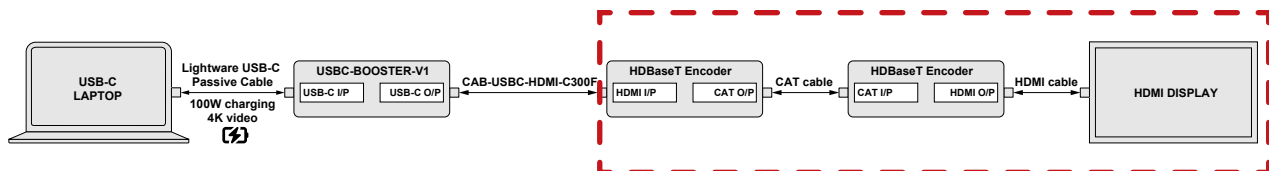
- Tired that the Room Bar won't charge laptops? Let's upgrade it to 100W!
- Your USB-C inputs need more reach than 9 meters? Consider it solved!
- Costs are high when a Cisco cable breaks after heavy-duty daily use? The stiff and rigid cable jacket makes it hard to install table endpoints correctly? Fix the already installed cable's ending point permanently to the Booster and save money on your upcoming maintenance run as well!



Upgrade your legacy HDMI HDBaseT Rooms within 30 minutes



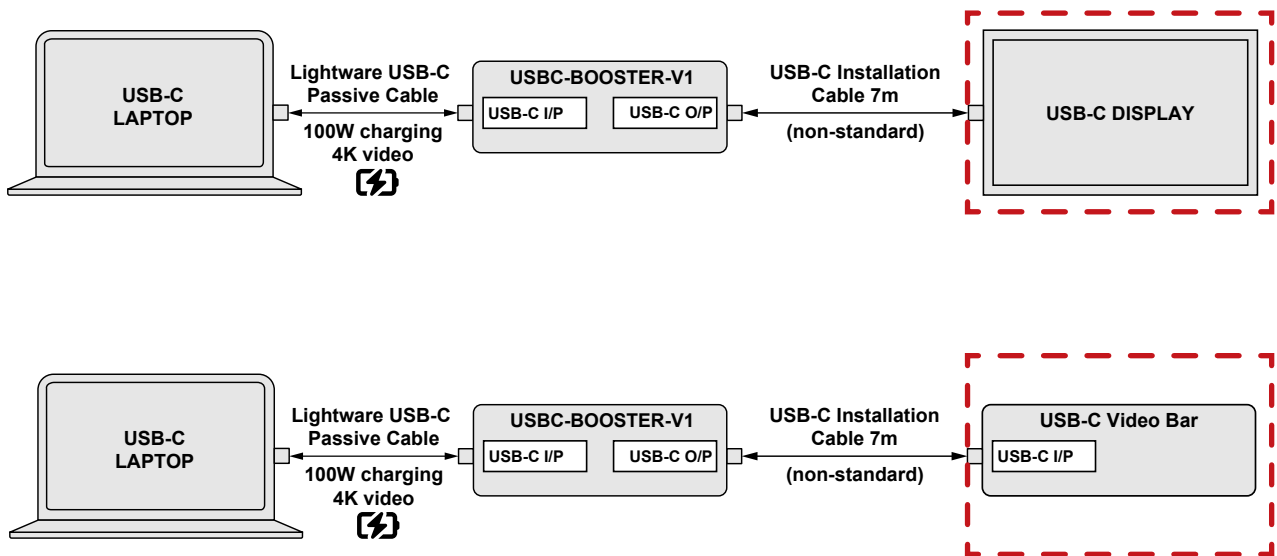
There is no need to turn your already existing room setup into a construction site! If your room is already equipped with a pre-installed HDMI setup, connecting the Booster to a pair of HDBaseT encoder-decoder units or a classic HDMI display will take just about half an hour. No necessity for major cable rearrangements, wall demolition, or causing a huge mess that puts the meeting room out of use for weeks. You don't have to worry about long and tedious software installations, configuration sessions, or firmware updates! Grab some basic power tools and refurbish your traditional HDMI rooms with this plug-and-play solution in no time!





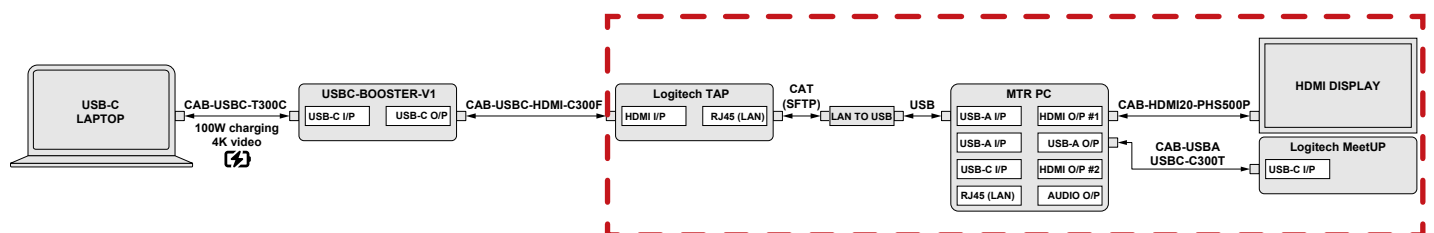
BYOD Meeting Spaces:

Teams walk in, connect their laptop, and expect instant sharing and charging with **100W**. With the booster installed under the table, users can enjoy the same content sharing experience as plugging their laptops directly into a USB-C display or a video bar.



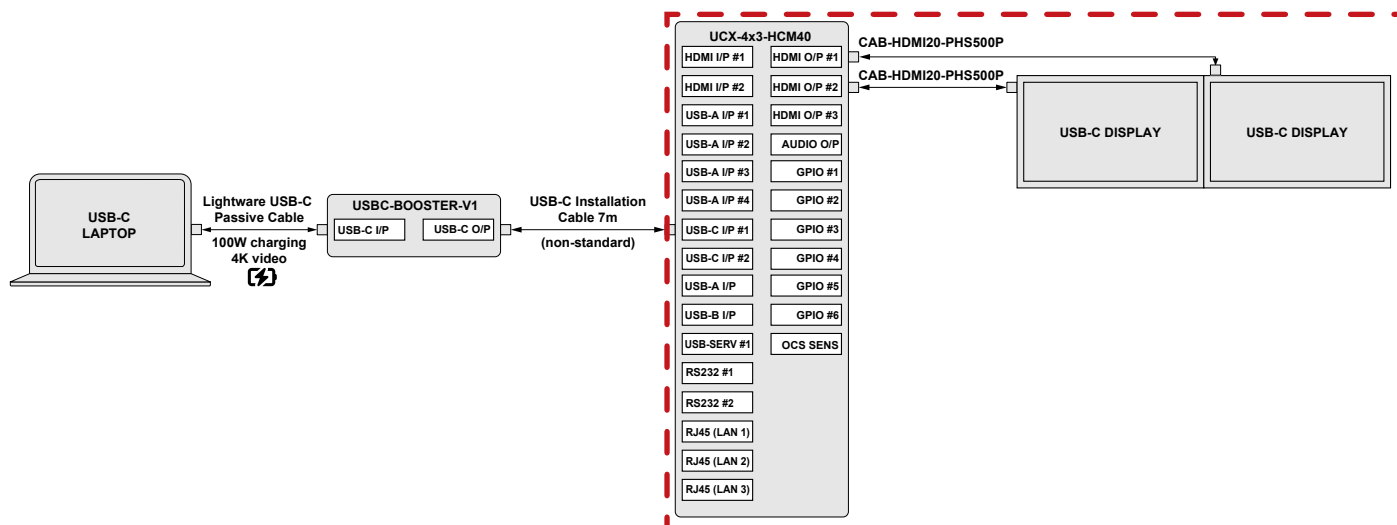
Small-to-Medium Meeting Rooms with MTR:

For installations **without a central switcher or matrix**, the booster provides a direct, professional connection between a table input and the display wall, with enough power to charge any modern laptop. It's an ideal option where Lightware's Taurus UCX is not required or budgeted, but the room is already equipped with some kind of third-party video conferencing unit, like this **Logitech** setup running **Microsoft Teams Rooms**:



Rooms equipped with Taurus UCX-4x3-HCM40:

In some cases, dual screen installations just need an additional stretch when it comes to cable length. The Booster was built to provide this extra reach for it's users, as it can extend 100W charging and losless **4K signal** connectivity for **12 meters**.



Practical Advantages

- **12 m total reach** with passive USB-C cables
- **100 W Power Delivery:** enough to charge high-performance laptops
- **Full-featured USB-C path** supporting USB 2.0/3.2, 4K60, DisplayPort Alt Mode (2-lane/4-lane)
- **Plug-and-play:** easy setup, no configuration needed
- **Silent, fanless operation** with internal power supply
- **Lower total cost of ownership:** only the short, easily worn cable needs replacement after everyday use, allowing quick and inexpensive maintenance
- **Compact and durable design** for under-table or behind-display installation

In everyday use, these advantages translate to fewer service calls, easier integration, and a more predictable user experience. The booster effectively bridges the gap between consumer convenience and professional reliability: the sweet spot most meeting spaces need.

With the USBC-BOOSTER-V1, Lightware brings reliable USB-C extensions into a price range a from **600 to 670 € MSRP*** (depends from bundle version), that opens new possibilities for huddle or small-size meeting rooms and collaboration spaces that don't need full-scale signal management hardware.

To learn how the **Lightware USBC-BOOSTER-V1 and it's bundle versions** can simplify your next project, **contact your local Lightware representative.**

Explore Our Full Cable Portfolio

From short patch cables to long-distance solutions, the Lightware cable line delivers dependable performance: lab-tested, field-proven, and certified to support even your most demanding AV environments.

Learn more at: lightware.com/en/products/Cables