

PureTools – USB-C to HDMI/USB Converter

PT-C-CPDHU-18G – USB-C to HDMI/USB Converter: Direct Signal Conversion and Power for Collaboration Spaces
The PT-C-CPDHU-18G is engineered as an integrated interface module for professional AV environments requiring USB-C video conversion, signal management, and Power Delivery injection in a single unit. Designed for direct installation in meeting rooms, huddle spaces, and interactive workspaces, this device supports extended cable runs and robust mounting options. Its semi user-facing housing facilitates accessible connectivity while maintaining professional aesthetics. The unit streamlines upgrades for legacy collaboration switchers and enables direct connection to modern touch displays or smart boards, supporting seamless teamwork and device compatibility.

- **USB-C to HDMI/USB Conversion:** Converts USB-C video at 18Gbps (supporting 4K 60Hz 4:4:4) directly to HDMI 2.0 output and 5Gbps USB-A. This enables integration of modern laptops and mobile devices into existing AV systems, supporting both high-resolution video and peripheral connectivity in collaborative environments.
- **Integrated 100W Power Injection:** Features a locking USB-C connector with up to 100W Power Delivery injection. This design provides reliable charging and power for connected devices during extended meetings or interactive sessions.
- **Signal Retimer and Extended Cabling:** Incorporates an integrated video signal retimer, supporting up to 2.00m USB-C input and 5.00m HDMI output cable lengths. This function maintains signal integrity across longer cable runs, addressing common challenges in larger meeting rooms or flexible workspace layouts.
- **EDID and HDCP Management:** Provides integrated EDID (Extended Display Identification Data) and HDCP (High-bandwidth Digital Content Protection) management. These features ensure compatibility with a wide range of displays and content sources, supporting secure and reliable signal negotiation in professional AV deployments.
- **Professional ProAV Housing Design:** The housing is both mountable and semi user-facing, supporting secure installation in podiums, under tables, or wall enclosures. This design balances accessibility for end users with the durability and cable management required in commercial AV settings.

Unified Signal, Power, and Management for AV Integration
By combining direct USB-C to HDMI/USB conversion, Power Delivery injection, and advanced signal management in a single mountable unit, the PT-C-CPDHU-18G enables streamlined AV upgrades and flexible workspace deployments. This unit provides a practical solution for extending device compatibility, supporting longer cable runs, and maintaining secure, reliable connections in collaborative and hybrid meeting environments.

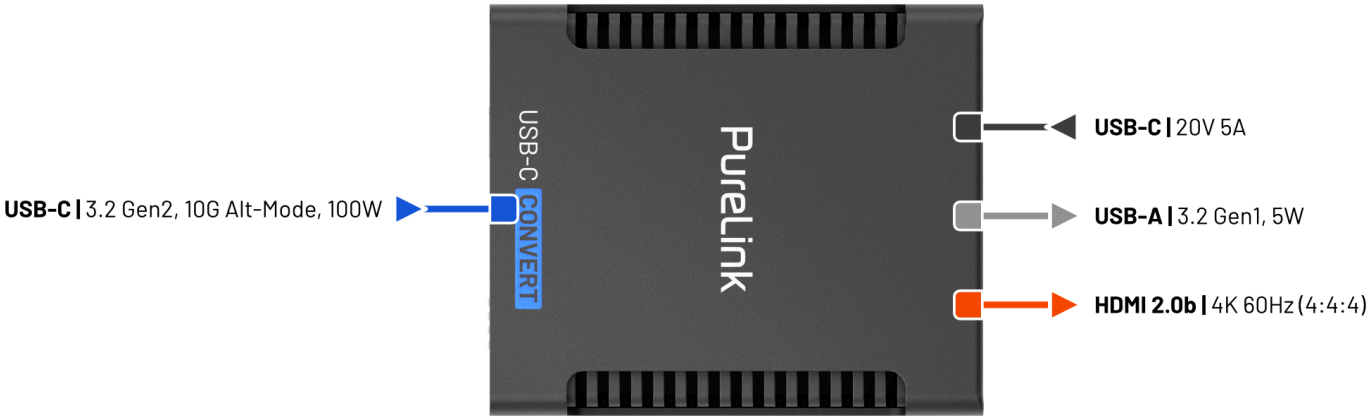


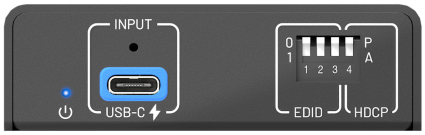
Features

- USB-C video 18Gbps (4K 60Hz 4:4:4) to HDMI 2.0 and 5Gbps USB-A conversion
- Integrated EDID and HDCP management
- Video signal retimer - up to 2.00m USB-C input, 5.00m HDMI output
- Professional, mountable and semi user-facing ProAV housing design
- 100W USB-C power injection port with locking connector - additional PSU required

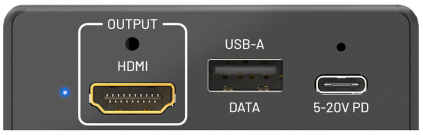
Delivery Content

Description
Without Power supply

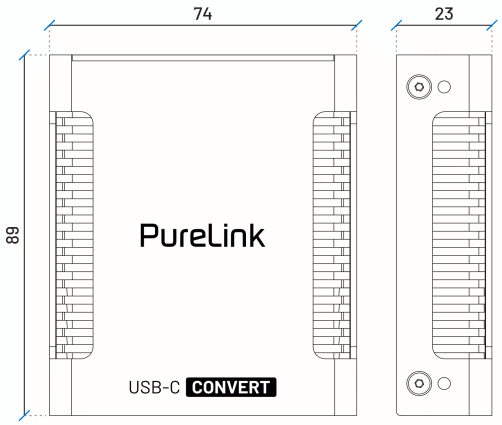




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BACK



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