

P-AVN-CL100 (ChargeLink) One-Cable USB-C Connectivity Device

OVERVIEW

The P-AVN-CL100 (ChargeLink) is a durable connection hub solution engineered to provide flexible source selection and one-cable simplicity for modern AV systems. ChargeLink supports one-cable USB-C input with video, data, ethernet, and up to 100W of power delivery, enabling a single cable connection for high-performance laptops and mobile devices. Front-panel push-button switching allows users to easily select between USB-C and HDMI sources, while LED indicators provide clear system status at a glance. Professional connectivity continues on the rear panel with a full-size HDMI output, locking USB-C power input, and an ETH-BRIDGE RJ45 port for IT and network integration. An included universal power supply (100–240V, 5–60Hz, 1.9A) and rugged chassis design ensure dependable performance across corporate, education, healthcare, broadcast, and AV-over-IP deployments.

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APPLICATIONS



CORPORATE & ENTERPRISE

Perfect for meeting rooms, huddle spaces, boardrooms, and training rooms.



EDUCATION & TRAINING

Seamlessly display video in hybrid classrooms, lecture halls, and university campuses.



HDMI & USB-C VIDEO CONVERTER

Receive USB-C (Display-ALT) or HDMI video up to 4K60, get both HDMI and USB-C outputs (duplicated) for easy cable conversions.



PC/MACBOOK DOCKING STATION

Single USB-C wire provides power, network, and two video outputs as both HDMI and USB-C Display-ALT + 2x USB-A 3.0 ports that hub to the laptop.

KEY FEATURES

ZERO-LATENCY PERFORMANCE

- Direct-Signal Path: HDMI and USB-C switching with no compression, no buffering, and no perceptible delay.
- Real-Time Operation: Ideal for live presentations, collaboration, and interactive environments.

VERSATILE ONE-CABLE USB-C CONNECTIVITY

- Video, Data & Ethernet: Combines display output, USB data, device charging, and network connectivity over a single USB-C connection.
- Up to 100W Power Delivery: Supports high-performance laptops and devices without external chargers.
- Front-Panel Push-Button Switching: Easily toggle between USB-C and HDMI inputs or automatically prioritizes active inputs for simplified operations.

COMPACT DESIGN

- Small Form Factor: Optimized for podiums, meeting rooms, lecture halls, and other presentation furniture.
- LED Status Indicators: Clear visibility for Power, HDMI, USB-C, and Auto-Select Input Modes
- Locking USB-C Power Connector: Prevents accidental disconnects in active environments.
- Universal Power Supply: 100–240V, 5–60Hz, 1.9A input for global deployments.

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REAR PANEL PHYSICAL PORTS AND INTERFACES

HDMI Output: Type-A transmit port, HDMI 2.1/1.4b, with locking connector point
 USB-C Output: USB-C Display-ALT transmit port with locking connector point
 ETH-BRIDGE: RJ-45 (100/1000 Auto-Negotiating)
 USB-C Power: PD 3.1 USB-C connection to included power supply

FRONT PANEL PHYSICAL PORTS AND INTERFACES

SOURCE Button: Push-button selection switch (hold 3 seconds to enable/disable auto)
 HDMI Input: Type-A receive port, HDMI 2.1/1.4b with locking connector point
 USB-C Input: USB-C Display-ALT receive port with locking connector point
 USB-A Ports (2): USB 3.0 ports / hub connection to wired device on USB-C input
 Factory Reset: Recessed "paperclip" style factory reset button (hold 10 seconds)

VIDEO AND AUDIO SPECIFICATIONS

HDMI IN/USB-C: 4096x2160P @ 60, 59.94, 50, 30, 29.97, 25fps
 3840x2160P @ 60, 59.94, 50, 30, 29.97, 25fps
 1920x1080P @ 60, 59.94, 50, 30, 29.97, 25fps
 1280x720P @ 60, 59.94, 50, 30, 29.97, 25fps
 720x576P @ 60, 59.94, 50, 30, 29.97, 25fps
 2560x1600P @ 60fps

DIMENSIONS AND POWER

Size: 162mm x 143mm x 26mm (6.37" x 5.63" x 1.02")
 Weight: 2.0 lbs (0.907kg)
 Power: 140W Power "Brick"
 Auto Ranging Power Supply: 100-240V 5-60Hz 1.9A (50/60 Hz)
 Detachable Cable:
 Power Brick:

ENVIRONMENTAL CONDITIONS

Operating Temperature: 32° to 104° F (0° to 40° C)
 Storage Temperature: -4° to 140° F (-20° to 60° C)
 Operating Humidity:

WARRANTY

3-year warranty:

For additional details reach out at <https://plexusav.com/contact-us/>

