

4x2 HDMI & USB-C Huddle Room Matrix Switcher

4K60 4:4:4, Dual HDMI Outputs, 100W USB-C PD, USB 3.2 KVM & Dual 1G Ethernet with 802.1x — For Dual-Display BYOD Rooms

MPN: COL-HUD-42



The COL-HUD-42 brings full matrix switching to the huddle room — four sources route independently to two displays, giving dual-display rooms the flexibility to show different content on each screen simultaneously. Two USB-C inputs deliver DP Alt mode 4K60 4:4:4, USB 3.2 Gen 1 KVM, 1G Ethernet, and up to 100W PD charging; two HDMI inputs handle legacy and fixed sources.

Built on the same platform as the COL-HUD-21 and COL-HUD-21D, the COL-HUD-42 adds a second HDMI output, four sources, and dual host ports — keeping the same balanced audio I/O, dual 1G Ethernet with 802.1x/VLAN, CEC/IR/RS-232 display control, and Web GUI that IT teams rely on across the family.

4K60 4:4:4 4x2 Independent	Dual HDMI Out Independent Routing	100W USB-C PD DP Alt Mode	USB 3.2 KVM Dual Host Ports	802.1x VLAN Dual 1G Ethernet	CE / FCC / UL Certified
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KEY FEATURES

- HDCP 2.3 and DP 1.4a compliant
- 4x2 matrix — dual USB-C + dual HDMI inputs, two independent HDMI outputs
- USB-C inputs: DP Alt mode 4K60 4:4:4, USB 3.2 Gen 1 (5Gbps), 1G ETH, 100W PD (50W/port when both active)
- HDMI 2.0b inputs up to 4K60 4:4:4
- Independent output routing — each output selects any of 4 inputs independently
- USB 3.2 Gen 1 host hub — USB-C HOST3 (data only) + USB-B HOST4
- Balanced/unbalanced analog audio embedding and de-embedding
- Dual 1G Ethernet with 802.1x and VLAN support
- Auto display on/off per output via CEC, IR, or RS-232
- GPIO, RS-232, TCP/IP, Web GUI, and API control
- 5 preset scenes; HDR10+, Dolby Vision, Dolby Atmos, DTS-HD
- Same Web GUI, API, and form factor as COL-HUD-21 & COL-HUD-21D

SPECIFICATIONS

Inputs	2x USB-C (DP Alt mode, USB 3.2, 1G ETH, 100W PD) + 2x HDMI 2.0b
Host Ports	1x USB-C HOST3 (data only) + 1x USB-B HOST4
Outputs	2x HDMI 2.0b (independent routing), HDCP 2.3, 18Gbps, 4K60 4:4:4
USB Charging	100W single / 50W+50W simultaneous (USB-C IN1+IN2)
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
Audio (Digital)	LPCM, Dolby Atmos, DTS-HD Master Audio, DSD
Audio (Analog)	Balanced/unbalanced I/O, 5-pin phoenix, >90dB S/N
Network	Dual 1G RJ45, 802.1x, VLAN; Separated or Switch mode
Control	RS-232, TCP/IP (8000), CEC, IR, GPIO, Web GUI
Dimensions	10.63" x 5.12" x 0.91" (270 x 130 x 23mm)
Weight	1.96 lbs (0.890kg)
Power	DC 24V/7.5A; 41W idle / 149W with 100W charging
Certifications	CE, FCC, UL

PACKAGE CONTENTS

1x 4x2 Huddle Room Matrix Switcher • 1x 24V/7.5A Power Supply • 1x IR Blaster (1.5m) • Phoenix Connectors • Mounting Ears • Rubber Feet • User Manual

