WP-20CT

4K60 4:2:0 HDMI & USB–C Wall–Plate Auto Switcher/Transmitter over Long–Reach HDBaseT

| HDMI | HDCP Compliant | HDBaseT
| 4K/60 UHD (4:2:0)

WP 20CT is is an intelligent 2x1 automatic wall–plate switcher transmitter over long–reach HDBaseT for 4K USB–C and HDMI video signals. WP 20CT offers an intelligent switching experience with built–in Maestro room control and the standard priority / last–connected switching function based on active video signal detection

FEATURES

High Performance Switcher Transmitter - Professional HDBaseT Switcher transmitter for providing long–reach signals over twisted pair copper infrastructures. This switcher transmitter is a standard transmitter that can be connected to any market–available HDBaseT–compliant extension product

Simple and Powerful Maestro Room Control - Out–of–the–box configured room control for a typical meeting room setup, and intuitive user interface enables you to control your meeting room elements. Room devices are controlled, locally or remotely via HDBaseT, right out–of–the–box by an extensive range of triggers, including input/output connectivity and routing. By minimizing user intervention, Maestro room control saves meeting prep time and minimizes human error before presentations

Automatic Display Operation - Part of the out–of–the–box Maestro configured room automation. Meeting presentation is simplified by automatically turning ON/OFF a CEC–enabled display when the presentation source is plugged in / unplugged with user–defined shut–down delay

BYOD Ease and Convenience - Connect any DP–Alt–Mode–capable USB–C device as an AV presentation source, while providing the connected device, if PD–2.0–capable, with up to 60 watts of power (with the use of an optional 20V power supply)

Plug & Play Auto Switcher - Automatically plays the switched user device source signal on the connected display according to user–configured preferences, such as priority or last–connected input. When the user manually switches, by pressing a button, the auto switching is overridden

HDMI™ Signal Switching - HDCP 2.3 compliant, supporting deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS–HD, 2K, 4K, and 3D as specified in HDMI 2.0

I–EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling, processing, locking and pass–through algorithm ensures plug & play operation for HDMI source and display systems

Multi–channel Audio Switching - Up to 8 channels of digital stereo uncompressed signals for supporting studio–grade surround sound

Audio De–embedding - The digital audio signal passing–through to the output, is de–embedded, converted to an analog signal and sent to the stereo analog audio output. This enables playing the audio on locally connected speakers, in parallel to playing it on the speakers connected to the AV acceptor device (such as TVs with speakers)

Bidirectional RS–232 Extension - Serial interface data flows in both directions, allowing data transmission and device control

Reliable PoE (Power over Ethernet) Powering - Auto–senses the HDBaseT extension line PoE status, it accepts power from a remote PoE provider such as a PoE matrix, with optional mains powering from connected power adapter

Cost–effective Maintenance and Management - Status LED indicators for Power, HDMI, and HDBT ports facilitate easy local maintenance and troubleshooting. Local device management using built–in web interface via the USB–C connection . Local firmware upgrade via USB–C and RS–232 connection tool ensure lasting, field–proven deployment

Easy Installation - Compactly fits into standard US, EU and UK 1–gang in–wall box size, supporting decorative integration with room deployed user interfaces such as electrical switches. Wall–plate installation is fast and cost–effective via a single twisted pair cable, providing both video signal and power (PoC) connections

TECHNICAL SPECIFICATIONS

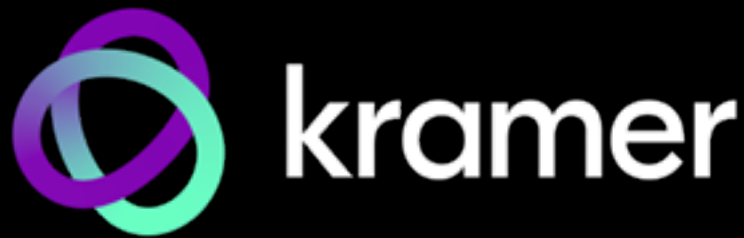|	
Inputs	1 DP Alt Mode & PD 3.0 USB-C: On a USB type–C connector
	1 HDMI: On HDMI connector
Outputs	1 HDBaseT: On an RJ–45 connector
	1 Unbalanced Stereo Audio: On 3–pin terminal block connector
Ports	1 RS-232: On a 3–pin terminal block for serial link extension
	1 RS-232: On a 3–pin terminal block for device serial control
	1 DC Power Input: On a two pin terminal block connector
Power	Standby Power Savings: 12V: ~5W 20V: ~71W
	Source: 12V DC 2A (included) 20V DC 6A (optional) PoE
	Consumption: 12V: 0.6A 20V: 3.7A
Video	Max. Data Rate: 10.2Gbps (3.4Gbps per graphic channel)
	Max. Resolution: 4K@60Hz (4:2:0) 24bpp resolution
	HDMI Support: Deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS HD, 2K, 4K, and 3D as specified in HDMI 2.0
	Compliance: HDCP 2.3 & 1.4
Extension Line	Up to 40m (130ft): At 4K @60Hz (4:2:0)
	Up to 70m (230ft): At full HD (1080p @60Hz 36bpp)
	Note: When using Kramer HDBaseT cables
	Compliance: HDBaseT 1.0
Extended RS-232	Baud rate: 300 to 115200
Control RS-232	Baud Rate: 115200
Environmental Conditions	Operating Temperature: 0° to +40°C (32° to 104°F)
	Storage Temperature: –40° to +70°C (–40° to 158°F)
	Humidity: 10% to 90%, RHL non–condensing
Enclosure	Cooling: Convection
	Type: Aluminum
	Size: 1 Gang
Regulatory Compliance (Standards Compliance)	Environmental: RoHs, WEEE, and CE
Accessories	Included: 12V Power adapter

Product Dimensions	US: 6.98cm x 3.10cm x 11.43cm (2.75" x 1.22" x 4.50") W, D, H
	EU, UK: 8.00cm x 3.10cm x 8.00cm (3.15" x 1.22" x 3.15") W, D, H
Product Weight	US: 0.1kg (0.2lbs) approx
	EU, UK: 0.1kg (0.1lbs) approx
Shipping Dimensions	US: 23.20cm x 13.60cm x 10.00cm (9.13" x 5.35" x 3.94") W, D, H
	EU, UK: 23.20cm x 13.60cm x 10.00cm (9.13" x 5.35" x 3.94") W, D, H
Shipping Weight	US: 0.6kg (1.3lbs) approx
	EU, UK: 0.6kg (1.3lbs) approx

US: 6.98cm x 3.10cm x 11.43cm (2.75" x 1.22" x 4.50") W, D, H

EU, UK: 8.00cm x 3.10cm x 8.00cm (3.15" x 1.22" x 3.15") W, D, H

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CONFIGURATIONS

WP-20CT/US-D(W/B)	US-D Size Wall–Plate Auto Switcher/Transmitter with White & Black Decora® Design Frame Sets
WP-20CT/EU-80/86(W)	EU & UK–Size Wall–Plate Auto Switcher/Transmitter with White EU & UK Frames