

TECHNICAL SPECIFICATION

EHW-210



Description: 4K 60Hz Wireless HDMI KVM Extender

Why Use This Product: This is a 4K 60Hz HDMI KVM wireless extender, including a transmitter and a receiver. Adopting ipcolor STREAM technology can realize high definition and low-latency transmission. Based on the 5GHz wireless frequency band, with stable anti-interference and safety performance. It supports up to 1-to-4 wireless transmission, and the transmission distance of 1-to-1 can reach 164ft (50m), effectively solving problems caused by complicated wiring. It's an ideal wireless video transmission solution for video conferences, home entertainment, multimedia education, etc.

Key Features

- ipcolor STREAM UHD, low-latency technology
- Supports resolutions up to 4K 60Hz
- Supports up to 1-to-4 wireless transmission
- Supports transmission up to 164ft (50m) (1-to-1)
- Transmitter supports HDMI loop out
- Support SSID pairing and channel switching
- Supports IR passback
- Supports 5GHz wireless frequency (Anti-Interference)
- Supports KVM control signal passback
- Supports touch screens
- Supports firmware upgrade via Micro USB port
- Supports stable 24/7 operation



4K 60Hz Wireless HDMI KVM Extender

Part Number:	EHW-210
Revision Number:	1.1
Date:	4-18-2023
Page Number:	1 of 2

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Technical Specifications

HDMI Version.....	HDMI 2.0
HDCP Version.....	HDCP 1.4 / HDCP 2.2
Max Transfer Rate.....	18 Gbps
Max Resolutions.....	4K2K 60Hz, 4K 60Hz, 1080p 60Hz, 720p 60Hz, 1920x1200
Input and Output TMDs Signal.....	0.7~1.2Vp-p (TMDs)
Input and Output DDC Signal.....	5Vp-p (TTL)
Wi-Fi Frequency Bands.....	5.18~5.24 GHz
Transmission Distance.....	1 to 1 ≤ 164ft (50m), 1 to 2 ≤ 100ft (30m), 1 to 3 ≤ 65ft (20m), 1 to 4 ≤ 50ft (15m)
Latency.....	4K 60Hz: 120~180ms, 1080P 60Hz: 70~120ms
Connection Types.....	1 to 1, 1 to 2, 1 to 3, 1 to 4
SSID Pairing.....	Supported
ESD Protection.....	1a Contact discharge level 3, 1b Air discharge level 3, Standard: IEC61000-4-2, Lightning Protection, Surge Protection
Power Supply Voltage / Current.....	DC 5V / 2A
Power Supply Consumption.....	TX ≤ 5W, RX ≤ 4W
Infrared Frequency.....	20~60kHz
IR Receiving Range.....	≤ 5m
Working Temperature.....	-20~60°C
Storage Temperature.....	-30~70°C
Humidity (No Condensation).....	0~90% RH
Dimensions (W x L x H).....	TX and RX: 4.53in (115mm) x 4.92in (125mm) x 0.81in (20.6mm)
Color.....	Black
Material.....	Iron
Net Weight.....	TX: 12.3oz (349g), RX: 11.5oz (326g)

I/O Panels

Transmitter



Receiver



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Part Number:	EHW-210
Revision Number:	1.1
Date:	4-22-26
Page Number:	2 of 2

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