



# P2P-KHT310

Point-to-Point Single-Head HDMI CAT5 & Fiber Transmitter with USB 2.0, Audio, and RS-232.

Extend, control, and manage your HDMI-based workstation over IP with the P2P-KHT300. Supporting flexible Direct, Matrix, and SaviGate modes, the P2P-KHT300 adapts to your installation needs — from simple point-to-point extensions to full multi-user managed environments — over CATx or Fiber.

## FEATURES



Supports HDMI video up to 4K @ 30Hz or 1080p @ 60Hz



Transparent USB 2.0 extension for peripherals



Analog audio and RS-232 passthrough



Selectable Direct, Matrix, and SaviGate modes via web interface



SaviGate Gateway support for centralized management (sold separately)



Up to 100m over CATx / 10km over fiber



Ultra-low latency JPEG2000 compression



Plug-and-play installation



EDID learning and management

## IDEAL USE CASES



AV and IT extension for secure environments



Digital signage and workspace centralization



Medical and industrial command centers



Military and government operations



Broadcast and production control rooms

# HOW IT WORKS

## Flexible KVM extension and switching

The P2P-KHT300 can operate in multiple modes depending on your application needs:



### Direct Mode

Simple point-to-point extension without configuration

**Supports:** 1 Transmitter / 1 Receiver



### Matrix Mode

OSD-based multi-user KVM switching across a network

**Supports:** Up to 64 Transmitters / 8 Receivers

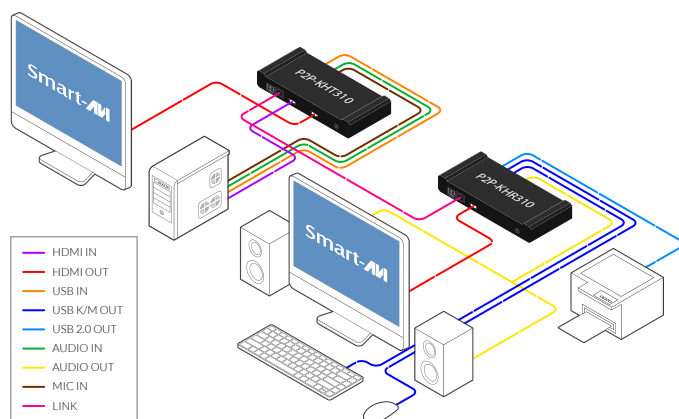


### SaviGate Mode

Centralized management, access control, and advanced routing when integrated with a SaviGate controller

**Supports:** Up to 128 Transmitters / 16 Receivers

Modes are easily changed using a simple dropdown menu within the web browser interface of each unit.



## COMPATIBLE TRANSMITTERS

Pairs with the following receiver models for point-to-point operation:

- **P2P-KVR300** - DVI Receiver via CATx & Fiber
- **P2P-KHR300** - HDMI Receiver via CATx & Fiber
- **P2P-KHR310** - HDMI Receiver via CATx & Fiber
- **P2P-KDR300** - DisplayPort Receiver via CATx & Fiber

## SPECIFICATIONS

Video OUT	
Format	HDMI 1.4 & HDCP 1.4 Compliant, Video Bandwidth Up To 10.2 Gbps
Video Resolution	Up To 4K @ 30 Hz
Connector	1x HDMI (19-Pin Female)

System	
Interface	EDID Storage & Emulation
Transmission Distance	CAT5: Up To 100m; LC Connector Fiber Multimode: Up to 500m; Fiber Single Mode: Up to 10km
Compression	Ultra-Low Latency JPEG2000
RS-232	Optional Pass-through up to 115200
Management	Selectable Direct, Matrix, SaviGate Gateway support for centralized management (sold separately)

Format	PCM 2.0/2.1/5.1/7.1, Dolby Digital 5.1 ch, Dolby Digital Plus, Dolby TrueHD, DTS 5.1 ch
In/Output Interface	3.5 mm Stereo Aux Socket (Female)

USB	
Out	USB Type B, USB 2.0, USB 1.1, USB 1.0 compatible
KM	Keyboard & Mouse Emulation

Other	
Power	12 V DC, 3 A (Power Supply Included)
Reliability (MTBF)	135,540 Hours (MIL-HDBK-217F (N2) Parts Count Prediction Calculator)
Environmental Operating Temperature	0 °C to 45 °C (32 °F to 113 °F)
Environmental Operating Humidity	10 % to 90 %, non-condensing
ESD Protection	Protection per IEC 61000-4-2 Standard at ±30 kV Air and ±30 kV Contact
Support Warranty	1-Year
Certification	CE, FCC, RCM, UL
Dimensions	9.5"W x 5.25"D x 1.70"H
Weight	1.41lbs and 0.63kg

## ORDERING DETAILS

P2P-KHT310-S	Point-to-point Single-Head HDMI CAT5 & Fiber Transmitter with USB 2.0, Audio, RS232 and Local Loop. [P2P-KHT310, PS12VD3A]
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