



P2P-KHT100

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

Extend, control, and manage your HDMI-based workstation over IP with the P2P-KHT100. Supporting flexible Direct, Matrix, and SaviGate modes, the P2P-KHT100 adapts to your installation needs — from simple point-to-point extensions to full multi-user managed environments — over CATx

FEATURES



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



Transparent USB 2.0 extension for peripherals



Analog audio and Optional 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-KHT100 can operate in multiple modes depending on your application needs:



Direct Mode

Simple point-to-point extension without configuration



Matrix Mode

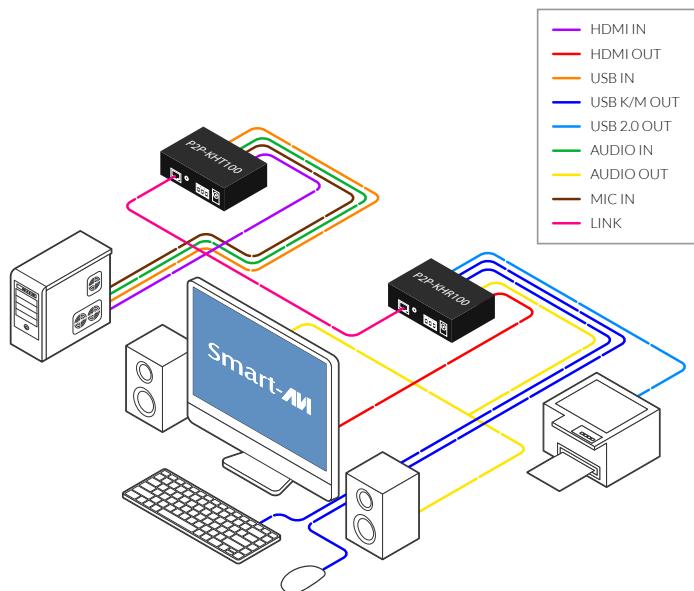
OSD-based multi-user KVM switching across a network



SaviGate Mode

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

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



COMPATIBLE TRANSMITTERS

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

- **P2P-KVR100 – DVI Receiver via CATx**
- **P2P-KHR100 – HDMI Receiver via CATx**
- **P2P-KDR100 – DisplayPort Receiver via CATx**

SPECIFICATIONS

Video OUT		USB	
Format	HDMI 1.4 & HDCP 1.4 Compliant, Video Bandwidth Up To 10.2 Gbps	Out	USB Type B, USB 2.0, USB 1.1, USB 1.0 compatible
Video Resolution	Up To 4K @ 30 Hz, 1080p @ 60 Hz	KM	Keyboard & Mouse Emulation
Connector	1x HDMI (19-Pin Female)	Other	
System		Power	12 V DC, 3 A (Power Supply Included)
Interface	EDID Storage & Emulation	Reliability (MTBF)	135,540 Hours (MIL-HDBK-217F (N2) Parts Count Prediction Calculator)
Transmission Distance	Up To 100 m; LC Connector Fiber Multimode: Up to 500 m; Fiber Single Mode: Up to 10 km	Environmental Operating Temperature	0 °C to 45 °C (32 °F to 113 °F)
Compression	Ultra-Low Latency JPEG2000	Environmental Operating Humidity	10 % to 90 %, non-condensing
Optional RS-232	Optional Pass-Through up to 115200	ESD Protection	Protection per IEC 61000-4-2 Standard at ±30 kV Air and ±30 kV Contact
Management	Selectable Direct, Matrix, SaviGate Gateway support for centralized management (sold separately)	Support Warranty	1-Year
Audio		Certification	CE, FCC, RCM, UL
Format	PCM 2.0/2.1/5.1/7.1, Dolby Digital 5.1 ch, Dolby Digital Plus, Dolby TrueHD, DTS 5.1 ch	Dimensions	4.25"W x 3.70"D x 1.6"H
In/Output Interface	3.5 mm Stereo Aux Socket (Female)	Weight	1 lbs 0.45kg

ORDERING DETAILS

P2P-KHT300-S	HDMI Transmitter with Single Head support, Point-to-Point mode over CATx & Fiber connection. [P2P-KHT300, PS5VD2A]
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