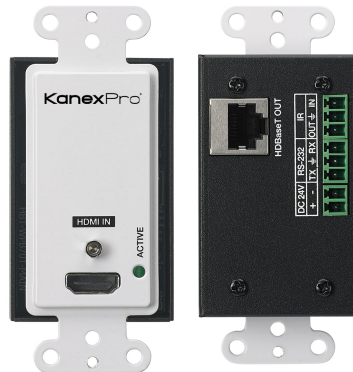


Single-Gang HDMI 2.0 HDBaseT Wall Plate Extender Kit with IR, RS-232 & PoC — 70M

Extend 4K/60 HDMI up to 230 ft over CAT5e/6 with Bi-Directional IR, RS-232 Control & Power over Cable

MPN: WP-EXTHDBTKIT



1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators specifying Crestron, AMX, or Extron-controlled rooms where bidirectional IR and RS-232 control must travel over the same cable as the HDMI signal.

THE CHALLENGE

Running a separate RS-232 or IR control cable alongside an HDMI extender adds labor, conduit fill, and long-term troubleshooting complexity to managed room installations.

THE KANEXPRO ADVANTAGE

WP-EXTHDBTKIT carries HDMI, bidirectional IR, RS-232, and PoC over a single CAT5e/6 cable — eliminating the separate control cable run entirely, with PoC flexibility from either end.

2 PRODUCT POSITIONING

WP-EXTHDBTKIT is the controlled-room wall plate kit for integrators who need single-input HDMI extension with bidirectional IR and RS-232 over a single CAT5e/6 cable — without running a separate control cable.

3 SALES ANALYSIS

CHANNEL FIT

AV distribution, direct CEDIA integrator, and government/education channels. CE/FCC/UL certification enables broader distribution.

DEAL SIZE & SALES CYCLE

\$1,500–\$5,000 per room including installation (managed boardroom/courtroom installs). \$525–\$800 single-unit sales. • 3–8 weeks for managed room projects. 1–2 weeks for single-room adds.

COMMON OBJECTIONS

1. 'Single HDMI only' — correct, by design; recommend TC70 if USB-C or KVM is needed. 2. 'We use a separate control cable' — eliminates that run, saves labor. 3. 'PoC from RX only' — supports PoC from either end.

WIN / LOSS THEMES

Win: rooms requiring bidirectional control at competitive price with full kit. Loss: rooms needing multiple source inputs (→ TC70 or TC50).

TOP USE CASES TO CLOSE

- 1 Boardrooms and courtrooms needing RS-232 control integration over HDBaseT.
- 2 Classrooms requiring bidirectional IR display control from instructor podium.

4 APPLICATIONS



Courtrooms & Legal

Extend evidence presentation with full bidirectional IR and RS-232. 7.1CH HD audio for multimedia playback. Single clean wall plate at the source.



Classrooms & Lecture Halls

Instructor podium HDMI extends to projector up to 70m. Bidirectional IR controls display from podium. PoC from either end.



Boardrooms & Executive Suites

RS-232 integrates with Crestron or AMX. Single HDMI input keeps the wall plate clean. Control rides the same CAT cable.



Conference Rooms

Point-to-point HDMI extension over CAT5e/6. HDCP 2.2 for Blu-ray and streaming. No separate control run required.



Hospitality & Training Centers

Extend HDMI sources with IR remote control passback. Included IR emitter and receiver cables ready to install from box.



Control Rooms & Monitoring

RS-232 bidirectional control for system integration. 4K/60 4:4:4 at 40m; 1080p at 70m for extended wall runs.

5 WHO THIS IS FOR

Corporate AV Integrator

AV Consultant

IT AV Manager

Systems Engineer

AV Distributor

Ideal User

Senior AV integrator at a CEDIA or commercial AV firm specifying controlled rooms for corporate or government clients.

Project Types

Corporate AV, government, legal/courtroom, K–12 and higher education.

Typical Buyer

AV consultant or IT AV manager. Control system integrator is often the specifying party.

6 KANEXPRO PRODUCT COMPARISON

Use this table to select the right wall plate based on input requirements and control needs.

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
WP-EXTHDBTKIT	Extenders / Wall Plates	Single HDMI, 70m, IR+RS-232	This product. Best when control signals must ride the same CAT cable as HDMI. Single input.
WP-EXTHDTC70	Extenders / Wall Plates	HDMI + USB-C, 70m, KVM	Adds USB-C input and KVM. No IR/RS-232. Best for BYOD rooms, not control-system rooms.
WP-EXTHDTC50	Extenders / Wall Plates	HDMI + USB-C, 50m	BYOD dual-input, shorter range. No control signals.
WP-EXTHDMDP50	Extenders / Wall Plates	HDMI + mDP, 50m	Legacy mDP input. No control signals.
WP-HDBASETX	Extenders / Wall Plates	HDMI + VGA, 70m, RS-232, scaler	2-gang; adds VGA input and VGA scaler. Has RS-232 but no IR pass-through.

Recommend: WP-EXTHDBTKIT when rooms requiring bidirectional control at competitive price with full kit.

7 FREQUENTLY ASKED QUESTIONS

Q: Does this include the receiver?

Yes — complete kit with wall plate transmitter, HDBaseT receiver, Phoenix connectors, IR cables, mounting ears, 24V/1A adapter, and user manual.

Q: Can RS-232 control run in both directions?

Yes. The WP-EXTHDBTKIT supports bidirectional RS-232 — both controlling the display from the source and controlling source devices from the display end.

Q: Which control systems are compatible?

Any RS-232-capable control system — Crestron, AMX, Extron, Control4, RTI, and others. Use the Phoenix jack RS-232 connection on the transmitter.

Q: Can PoC be powered from either the TX or RX end?

Yes. Unlike some competitors that only allow RX-to-TX power, the WP-EXTHDBTKIT supports PoC from either the transmitter or receiver end.

Q: What are the Phoenix connectors for?

Phoenix connectors (2-pin and 3-pin) are for IR IN/OUT and RS-232 connections on the transmitter. 3 sets are included in the box.

Q: Is CE/FCC/UL certification included?

Yes — the 24V/1A power adapter is CE/FCC/UL certified. Confirm product-level compliance for specific regional requirements.

Q: What is the difference between TC70 and BTKIT?

TC70 adds USB-C input and KVM USB extension. BTKIT has single HDMI only but adds bidirectional IR and RS-232 for room control integration. Different use cases.