

2-Gang HDMI & VGA HDBaseT Wall Plate Transmitter with Scaler, RS-232 & PoH

Extend 4K HDMI or VGA Signals up to 230 ft over a Single CAT6 Cable with Auto-Switching & Built-In VGA Scaler

MPN: WP-HDBASETX



1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators and IT managers maintaining mixed HDMI and VGA rooms in corporate, education, and government environments on multi-year device refresh cycles.

THE CHALLENGE

Mixed HDMI+VGA rooms require either two separate extension systems or adapters at the source — creating cable clutter, resolution mismatches from VGA, and separate control runs for RS-232.

THE KANEXPRO ADVANTAGE

WP-HDBASETX consolidates HDMI, VGA+audio, VGA scaling, RS-232 bidirectional control, and PoH into a single 2-gang Decora wall plate transmitter — one cable to the receiver covers everything.

2 PRODUCT POSITIONING

WP-HDBASETX is the legacy-bridge wall plate transmitter for integrators who need to combine HDMI and VGA sources in a single 2-gang Decora form with built-in VGA scaling, RS-232 control, and PoH — in rooms that cannot go HDMI-only.

3 SALES ANALYSIS

CHANNEL FIT

AV distribution and direct CEDIA/commercial integrator.
Education procurement channel for university and K-12 systems.

DEAL SIZE & SALES CYCLE

\$1,500–\$4,000 per room including receiver and installation.
Higher for multi-room lecture hall buildouts. • 3–10 weeks.
Education and government procurement may run 4–16 weeks.

COMMON OBJECTIONS

1. 'VGA is being phased out' — multi-year refresh cycles mean VGA persists; permanent solution beats adapter. 2. 'No receiver included' — \$787 TX-only enables mixing with existing receivers. 3. 'RS-232 only, no IP control' — correct; use BTKIT or matrix for IP control.

WIN / LOSS THEMES

Win: rooms with existing VGA sources on multi-year refresh cycles needing permanent managed installation. Loss: rooms that have already transitioned to all-digital sources.

TOP USE CASES TO CLOSE

- 1 University and K–12 lecture halls with legacy VGA projector controllers and HDMI laptops.
- 2 Government boardrooms with mixed device fleets on long refresh cycles.

4 APPLICATIONS



Mixed HDMI & VGA Rooms

HDMI laptops and VGA workstations connect at the same wall plate. Built-in scaler matches VGA to display native resolution — no resolution negotiation failures.



Lecture Halls & Auditoriums

Extend HDMI and VGA to projectors up to 230ft over one CAT6 cable. Auto-switching; RS-232 integrates with room control.



Corporate Boardrooms

Locking HDMI prevents disconnection. Dual-gang aluminum form factor for executive spaces. PoH from receiver, no local outlet required.



Courtrooms & Government

Full RS-232 bidirectional command set for court AV integration. VGA scaling for legacy workstation and document camera connections.



Education Technology Rooms

VGA document cameras and microscopes alongside HDMI laptops. EDID management for diverse display configurations across buildings.



Showrooms & Demo Spaces

VGA scaler + EDID config for multi-device showrooms. Remote RS-232 for centralized AV control from automation system.

5 WHO THIS IS FOR

Corporate AV Integrator

AV Consultant

IT AV Manager

Systems Engineer

AV Distributor

Ideal User

AV integrator or IT AV manager at a university, K–12 district, or enterprise IT department maintaining mixed AV infrastructure.

Project Types

K–12 education, higher education, government, corporate AV (legacy infrastructure).

Typical Buyer

IT Director or AV consultant. Facilities Manager for capital project procurement.

6 KANEXPRO PRODUCT COMPARISON

Use this table to select the right wall plate based on input types and room requirements.

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
WP-HDBASET X	Extenders / Wall Plates	HDMI + VGA, 70m, scaler, RS-232	This product. Only 2-gang wall plate with built-in VGA scaler. Best for rooms requiring both HDMI and VGA.
WP-EXTHDBTKIT	Extenders / Wall Plates	Single HDMI, 70m, IR+RS-232	Single-gang, HDMI only. Adds IR pass-through not available on HDBASET X.
WP-EXTHDTC50	Extenders / Wall Plates	HDMI + USB-C, 50m	Modern BYOD inputs. No VGA, no scaler. Use for rooms transitioning away from VGA.
WP-EXTHDTC70	Extenders / Wall Plates	HDMI + USB-C, 70m, KVM	Adds KVM. No VGA. For fully modernized rooms with USB-C devices.
WP-EXTHDMDP50	Extenders / Wall Plates	HDMI + mDP, 50m	Legacy input but mDP not VGA. Single-gang form factor.

Recommend: WP-HDBASET X when rooms with existing VGA sources on multi-year refresh cycles needing permanent managed installation.

7 FREQUENTLY ASKED QUESTIONS

Q: Does this include a receiver?

No — the WP-HDBASETX is a transmitter only. Compatible receivers: EXT-HDBT70MRX and HDBASE70POER (sold separately).

Q: What does the built-in VGA scaler do?

The scaler automatically converts the VGA input signal to the display's native resolution — eliminating black bars, overscan, and resolution mismatch common with legacy VGA sources.

Q: What RS-232 commands are available?

Full command set including: input switching, auto/manual mode, VGA scaling resolution, HDCP configuration, EDID management, brightness/contrast/saturation/sharpness adjustment, and firmware version check.

Q: How does PoH work?

Power over HDBaseT (PoH) allows the compatible receiver to power the transmitter over the same Category cable — no local AC outlet required at the wall plate.

Q: Does the locking HDMI prevent theft?

The locking HDMI uses a screw-lock mechanism to secure the HDMI cable to the connector — preventing accidental disconnection in high-traffic environments.

Q: What EDID modes are available?

Bypass (pass-through), 1080P PCM 2.0, 1080P Dolby 5.1, 1080P 3D Dolby 5.1, 1080i PCM 2.0, and 4K PCM 2.0 — configurable via RS-232 command.

Q: Can this be used without a KanexPro receiver?

The HDBT OUT port is a standard HDBaseT output — compatible with any HDBaseT-compliant receiver. KanexPro EXT-HDBT70MRX and HDBASE70POER are the tested/recommended receivers.