

2x1 HDMI & USB-C HDBaseT Wall Plate Extender Kit — 50 Meters

Extend 4K/60 HDMI or USB-C Sources up to 164 ft over a Single CAT5e/6 Cable with Auto-Switching & POE

MPN: WP-EXTHDTC50



1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators specifying straightforward BYOD connection points in conference rooms, classrooms, and presentation spaces where USB peripheral extension is not required.

THE CHALLENGE

Rooms needing both HDMI and USB-C source connectivity over structured cabling often require expensive multi-input solutions or separate adapters at the wall — adding cost and reducing reliability.

THE KANEXPRO ADVANTAGE

WP-EXTHDTC50 provides native dual-input (HDMI + USB-C) with auto-switching, POC from receiver, and Dolby Vision HDR — all in a single-gang Decora form factor at a price point that doesn't require value justification.

2 PRODUCT POSITIONING

WP-EXTHDTC50 is the cost-optimized BYOD wall plate extender for integrators who need 4K/60Hz HDMI and USB-C extension at 50 meters without the overhead of KVM or HDBaseT complexity.

3 SALES ANALYSIS

CHANNEL FIT

AV distribution and direct CEDIA integrator channel. Strong online reseller fit given price point.

DEAL SIZE & SALES CYCLE

\$700–\$2,500 per room (kit + install). Multi-room conference buildouts drive volume. • 1–4 weeks. Shorter cycle than TC70 due to lower price and simpler spec.

COMMON OBJECTIONS

1. 'No KVM' — correct, by design; recommend TC70 if KVM is required. 2. '50m is borderline' — confirm cable runs; TC70 for runs >50m. 3. 'Why not Atlona' — Dolby Vision + lower MSRP.

WIN / LOSS THEMES

Win: budget-conscious BYOD rooms, Dolby Vision requirements, integrators valuing clean single-cable installs. Loss: rooms requiring USB peripheral extension (→ TC70).

TOP USE CASES TO CLOSE

- 1 Corporate conference rooms needing HDMI+USB-C without KVM at competitive price.
- 2 Education classrooms over existing CAT5e runs.

4 APPLICATIONS



Conference Rooms

Clean HDMI and USB-C connectivity over CAT5e/6. POC means no local outlet at the wall plate — ideal for open-plan and modern boardrooms.



Classrooms

Extend instructor laptop to projector or IFP up to 50m over existing infrastructure. Dolby Vision for accurate media display.



Huddle Spaces

Compact single-gang form factor with auto-switching. IR passback on receiver enables display control from the source wall plate.



Higher Education

4K/60Hz 4:4:4 for engineering, medical, and design content. Mix of HDMI and USB-C sources handled natively.



Hospitality

50m covers standard ballroom-to-rack runs. Interchangeable white/black faceplates match property standards.



Corporate Showrooms

4K HDR10 and Dolby Vision for marketing content on professional displays.

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 specifying mid-market conference rooms and classrooms.

Project Types

Corporate AV, education, hospitality.

Typical Buyer

AV integrator or IT manager. Budget owner is IT Director or Facilities.

6 KANEXPRO PRODUCT COMPARISON

Use this table to select the right wall plate SKU for the project requirements.

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
WP-EXTHDTC50	Extenders / Wall Plates	HDMI + USB-C, 50m	This product. Best when USB extension not needed and 50m range is sufficient.
WP-EXTHDTC70	Extenders / Wall Plates	HDMI + USB-C, 70m, KVM	Adds KVM and 70m range. Specify when USB peripheral extension is needed.
WP-EXTHDMDP50	Extenders / Wall Plates	HDMI + mDP, 50m	Same form/range but replaces USB-C with Mini DisplayPort for legacy device environments.
WP-EXTHDBTKIT	Extenders / Wall Plates	Single HDMI, 70m, IR+RS-232	Single input only; adds control signals. Best for managed rooms with control systems.
WP-HDBASETX	Extenders / Wall Plates	HDMI + VGA, 70m, scaler	2-gang; adds VGA scaler. Best for legacy mixed-source rooms.

Recommend: WP-EXTHDTC50 when budget-conscious BYOD rooms, Dolby Vision requirements, integrators valuing clean single-cable installs.

7 FREQUENTLY ASKED QUESTIONS

Q: Does this include the receiver?

Yes — kit includes wall plate transmitter and 50M extender receiver with 12V/1A power supply.

Q: What is the difference between TC50 and TC70?

TC70 adds 70m range and USB 2.0 KVM (USB extension from receiver back to source). TC50 has 50m range with no KVM, at a lower price point.

Q: Can it power the wall plate without a local outlet?

Yes. POC is supplied from the receiver over CAT5e/6. The receiver requires DC 12V/1A (included).

Q: Does it support Dolby Vision?

Yes — HDR formats include HDR10 and Dolby Vision for accurate color reproduction on compatible displays.

Q: What is the maximum 4K resolution it supports?

4K2K@60Hz 4:4:4 over CAT5e/6 up to 35m. 4K@24 extends to 50m over CAT5e/6.

Q: Does USB-C support video from all laptops?

USB-C input supports DisplayPort Alt Mode at 5.4Gbps. Most USB-C laptops with video output (MacBook, Chromebook, recent Windows PCs) are compatible.

Q: What cable type is recommended?

CAT5e or CAT6. Shielded cable with metal RJ45 connectors is recommended to avoid EMI-related signal dropout in commercial installations.