

2x1 HDMI & Mini DisplayPort HDBaseT Wall Plate Extender Kit — 50 Meters

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

MPN: WP-EXTHDMDP50



1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators and IT managers supporting environments with a legacy Mini DisplayPort device fleet alongside modern HDMI sources — including government, defense, higher education, and enterprise.

THE CHALLENGE

mDP-equipped laptops and workstations require an adapter to connect to HDMI wall plates, adding a fragile failure point to managed installations. Passive adapters are frequently lost or damaged.

THE KANEXPRO ADVANTAGE

WP-EXTHDMDP50 accepts both mDP and HDMI natively — eliminating adapters entirely. Single-gang form factor, POC from receiver, and auto-switching make it a permanent, managed solution for mixed-input rooms.

2 PRODUCT POSITIONING

WP-EXTHDMDP50 is the mDP legacy bridge wall plate for integrators who need to support Mini DisplayPort and HDMI sources from a single clean Decora wall plate without signal conversion or adapter cables.

3 SALES ANALYSIS

CHANNEL FIT

AV distribution and direct integrator channel. Education and government verticals via specialized AV dealers.

DEAL SIZE & SALES CYCLE

\$600–\$1,800 per room. Education and government deployments often multi-room. • 2–6 weeks.
Government/education procurement may require 4–12 weeks for PO.

COMMON OBJECTIONS

1. 'We can just use an adapter' — adapters fail; permanent install is more reliable. 2. 'mDP is being phased out' — multi-year refresh cycles mean legacy devices persist 5–10 years. 3. 'USB-C is replacing mDP' — true for new devices, not existing fleet.

WIN / LOSS THEMES

Win: environments with existing mDP device fleet needing permanent solution. Loss: rooms where all devices have already transitioned to USB-C or HDMI.

TOP USE CASES TO CLOSE

- 1 Government/defense facilities with mDP workstations on multi-year refresh cycles.
- 2 University labs with legacy Mac and Surface fleets.

4 APPLICATIONS



Legacy mDP Environments

Surface Pro, older MacBooks, and CAD workstations with mDP connect natively alongside HDMI laptops — no dongles at the wall plate.



Conference Rooms

Auto-switching handles source detection. HDMI takes priority when both active. 50m over existing CAT5e/6.



Education & Training

Mixed-device university labs and technical training centers with mDP engineering workstations alongside HDMI consumer devices.



Government & Defense

Legacy mDP-equipped workstations connect natively. HDCP 2.2 ensures content protection compliance.



Hospitality & Events

Support mDP and HDMI presenter devices in hotel meeting rooms. POC from receiver, no local outlet needed.



AV Integration Retrofit

Bridge legacy mDP sources to modern HDBaseT distribution. Extends system life without full infrastructure replacement.

5 WHO THIS IS FOR

Corporate AV Integrator

AV Consultant

IT AV Manager

Systems Engineer

AV Distributor

Ideal User

AV integrator or IT manager at a government contractor, university, or enterprise IT department managing mixed legacy/modern device fleets.

Project Types

Government, defense, higher education, enterprise IT.

Typical Buyer

IT AV Manager or AV Consultant. Budget authority with IT Director or Procurement.

6 KANEXPRO PRODUCT COMPARISON

Use this table to select the right wall plate for the source input types in the room.

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
WP-EXTHDMDP50	Extenders / Wall Plates	HDMI + mDP, 50m	This product. Best for rooms with Mini DisplayPort legacy devices alongside HDMI sources.
WP-EXTHDTC50	Extenders / Wall Plates	HDMI + USB-C, 50m	Same form/range but replaces mDP with USB-C for modern laptop environments.
WP-EXTHDTC70	Extenders / Wall Plates	HDMI + USB-C, 70m, KVM	USB-C input with KVM extension. Specify when USB peripheral sharing is needed.
WP-EXTHDBTKIT	Extenders / Wall Plates	Single HDMI, 70m, IR+RS-232	Single input with room control signals. No legacy input support.
WP-HDBASETX	Extenders / Wall Plates	HDMI + VGA, 70m, scaler	Replaces mDP with VGA. Best when legacy VGA devices are present, not mDP.

Recommend: WP-EXTHDMDP50 when environments with existing mDP device fleet needing permanent solution.

7 FREQUENTLY ASKED QUESTIONS

Q: Does this include the receiver?

Yes — kit includes mDP/HDMI wall plate transmitter, extender receiver, 12V/1A power supply, and user manual.

Q: What Mini DisplayPort devices are compatible?

Any device with a Mini DisplayPort output — older MacBook Pro/Air/Mac Mini, Surface Pro (1–6), Dell Ultrabooks, HP EliteBooks, and workstations with mDP graphics outputs.

Q: What is the maximum resolution for mDP input?

The mDP input supports up to 4K/UHD@60Hz 4:4:4 over its 5.4Gbps bandwidth via the DisplayPort 1.2a interface.

Q: Does this support CEC?

No. CEC control is not supported on this product. For CEC-capable rooms, specify TC50 (USB-C input) or BTKIT (IR control).

Q: Can I use a USB-C to mDP adapter on the mDP port?

USB-C to Mini DP adapters are generally compatible as the mDP port accepts DP signals. Test recommended with specific adapter before deployment.

Q: How does auto-switching work?

The wall plate selects the last-active or currently-connected source. HDMI takes priority when both inputs are active. Press SOURCE to manually override.

Q: Why not just use a mDP-to-HDMI adapter instead?

Adapters introduce an additional failure point and require user action. The WP-EXTHDMDP50 provides a permanent, managed installation that eliminates adapter issues entirely.