

4×2 HDMI 2.0 Matrix Switcher with WebGUI, Telnet & RS-232 Control

4K/60Hz 4:4:4, Apple HDCP Mode, EDID Management — 4 Inputs to 2 Displays

MPN: HDMX42-18G



Basic 4×2 matrix switchers offer only front panel and IR control — insufficient for commercial integrators requiring IP-based management and control system integration. The KanexPro HDMX42-18G delivers WebGUI, Telnet, and RS-232 control alongside front panel and IR, with Apple HDCP mode per input and 7 EDID presets.

4K@60Hz 4:4:4, 18Gbps, HDCP 2.2. Compact half-rack. CE/FCC/UL certified.

1 PRODUCT OVERVIEW

DESIGNED FOR

Commercial AV integrators and IT managers deploying 4-source, 2-display environments requiring WebGUI/Telnet/RS-232 control integration and Apple device compatibility.

THE CHALLENGE

Standard 4×2 matrix switchers offer only front panel and IR control — insufficient for commercial integrators needing IP-based remote management and control system integration.

THE KANEXPRO ADVANTAGE

WebGUI + Telnet + RS-232 triple-interface control plus Apple HDCP mode per input and 7 EDID presets at \$629.95 — CE/FCC/UL certified.

2 PRODUCT POSITIONING

HDMX42-18G is the 4×2 HDMI matrix for commercial integrators who need full IP control and Apple device compatibility without a more complex or expensive platform.

3 SALES ANALYSIS

CHANNEL FIT

AV distribution (primary): WAVE Electronics, BCD. Rep/VAR: commercial AV integrators, IT resellers. Online: B&H, direct.

DEAL SIZE & SALES CYCLE

\$629.95 per unit. Sales cycle: 1–4 weeks. Often specified alongside control systems in corporate AV bids.

COMMON OBJECTIONS

1. "OREI has cheaper 4x2 with WebGUI" — HDMX42-18G adds Apple HDCP mode and Telnet CLI. 2. "No audio extraction?" — specify HDMX42A-18G. 3. "Only 2 outputs?" — specify HDMX44A-18G for 4 with IP + audio.

WIN / LOSS THEMES

WIN: Triple control (WebGUI/Telnet/RS-232); Apple HDCP mode; 7 EDID presets; CE/FCC/UL; compact half-rack. LOSS: No audio extraction; 2 outputs only; no ARC.

TOP USE CASES TO CLOSE

- 1 Apple-heavy conference room: MacBook and Apple TV to projector and display without HDCP signal loss — Apple HDCP mode per input is the primary close argument vs. competitors lacking this feature.
- 2 Crestron/AMX-integrated boardroom: WebGUI for day-to-day management plus RS-232 for control system integration — dual control path is a strong argument for managed AV environments.

4 APPLICATIONS



Corporate Boardroom

Laptop, VC, cable, media to 2 boardroom displays. WebGUI or RS-232 for one-touch source selection.



Classroom & Training

PC, doc cam, streaming, AV to 2 displays. Apple HDCP mode ensures MacBook/Apple TV on non-HDCP projectors.



Home Theater

Apple TV, Blu-ray, gaming, cable to 2 displays. Apple HDCP mode for non-HDCP TVs or projectors.



Corporate Lobby

2 lobby displays from 4 sources. Manage switching and EDID via WebGUI from the front desk.



Hospitality AV

IPTV, streaming, cable to 2 displays. WebGUI for remote management. Apple HDCP supports Apple devices.



Retail & Restaurant

4 sources to 2 display zones. RS-232 integrates with POS or signage controllers for automated switching.

5 WHO THIS IS FOR

AV Integrator

Corporate IT

Education

Hospitality

Home Theater

Ideal User

Commercial AV integrator or IT manager handling conference room and boardroom installs in Apple-heavy corporate environments.

Project Types

Corporate AV (conference rooms, boardrooms), Education (training rooms), Hospitality, Home Theater (Apple TV), Small Business IT.

Typical Buyer

AV Integrator or IT Manager specifies. IT Director or Facilities Manager approves.

6 KANEXPRO PRODUCT COMPARISON

The HDMX42-18G is KanexPro's IP-control 4×2 matrix.

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
HDMX42-18G	IP-control 4×2 matrix	WebGUI, Telnet, RS-232, Apple HDCP, 7 EDID	This product — IP-complete 4×2 with Apple HDCP
HDMX42A-18G	Audio-extraction 4×2	Optical + analog L/R, ARC, Dolby Vision	Step across: audio extraction instead of IP control
HDMX44A-18G	4-zone DAC audio matrix	4×4, per-output DAC, WebGUI, Telnet	Step up: 4 outputs, per-zone audio, full IP control

➔ **Recommend HDMX42-18G for WebGUI + RS-232 control and Apple HDCP mode in a compact 4×2.**

7 FREQUENTLY ASKED QUESTIONS

What is Apple HDCP mode and when do I need it?

Allows non-HDCP-required content from Apple devices (Apple TV, MacBook, iPad) to display on non-HDCP monitors without signal loss. Enable via WebGUI or RS-232: HDCPIN [x] 1.

How do I access the WebGUI?

Connect CONTROL (RJ-45) to network. Navigate to 192.168.1.50. No password required by default. Supports Static IP and DHCP.

Which EDID preset for 4K@60Hz sources?

Select 4K_6G (4K@60Hz, 4:4:4, LPCM 2.0). Use 4K_Y420 for sources outputting 4K@60Hz 4:2:0. Set via WebGUI or RS-232: EDIDALL 6.

Is HDMI IN 1 only on the front panel?

Yes. IN 1 is on the front panel for laptops and portable devices. IN 2–4 are on the rear for permanent connections.

Can this integrate with Crestron or AMX?

Yes. RS-232 (115200 baud, DE-9) and Telnet commands support Crestron, AMX, RTI, and other control systems.

Is there audio extraction?

No. HDMI audio passes through to displays. For optical + analog L/R extraction, specify HDMX42A-18G.

What are EDID ALL and APPOINT modes?

ALL applies the same EDID to all 4 inputs. APPOINT assigns a different EDID to each input independently. Switch via WebGUI or RS-232: EDIDMODE 0 (Appoint) / EDIDMODE 1 (All).