

48Gbps 4×1 HDMI/USB-C Auto Switcher with 8K60 and EDID Management

3× HDMI 2.1 + 1× Native USB-C Input to 1× HDMI Output — 8K@60Hz, 4K@120Hz, VRR, ALLM, HDCP 2.3

MPN: SW-4X1HDUSBC



1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators deploying multi-source conference rooms, IT managers standardizing USB-C-first meeting spaces, and prosumers consolidating home theater and gaming setups into a single display.

THE CHALLENGE

USB-C laptops cannot connect to standard HDMI-only switchers without an adapter. In BYOD environments, adapters are unreliable, get lost, and introduce signal quality issues at high resolutions like 8K and 4K@120Hz.

THE KANEXPRO ADVANTAGE

One of only two 4×1 8K HDMI 2.1 switchers on the market with a native USB-C input. Pro-grade metal housing, 8-mode EDID DIP switch, and CE/FCC/UL certification differentiate it from consumer-grade alternatives. At \$99 street, it undercuts the only comparable product (BZBGear BG-8K-HCS41 at \$149) by 34%.

2 PRODUCT POSITIONING

KanexPro SW-4X1HDUSBC is the 48Gbps 4×1 HDMI/USB-C auto switcher for AV integrators and prosumers who need native USB-C source switching alongside HDMI 2.1 without external adapters or adapter-induced signal degradation.

3 APPLICATIONS

BYOD Conference Room

Employees connect USB-C laptops or HDMI PCs to a single display without adapters. Auto-switching detects the active source instantly.

Home Theater / Gaming Hub

Consolidates PS5, Xbox, streaming box, and USB-C laptop into one 8K TV. VRR/ALLM ensures tear-free gaming at 4K@120Hz.

Education Classroom

Teacher's USB-C laptop and three student HDMI sources share a single projector. IR remote gives fast, intuitive control.

Digital Signage Control

Switch between four content sources feeding a lobby display. Auto-switching ensures failover if the primary source drops.

Huddle Space / Hot Desk

Ultrathin metal housing fits behind a monitor or under a desk. 5V USB-powered design eliminates bulky power bricks.

Healthcare Imaging Review

Review imaging from HDMI workstations and USB-C tablets on a shared diagnostic display. HDCP 2.3 ensures protected content passes through.

4 WHO THIS IS FOR

AV Integrators

IT Managers

Systems Designers

Facilities Coordinators

Home Theater Enthusiasts

Ideal User

AV integrator or IT manager specifying source-switching equipment for 10–50 room deployments, or a prosumer consolidating 4+ sources into a single display.

Project Types

Corporate AV, education, hospitality, residential custom install, healthcare, digital signage.

Typical Buyer

AV designer or IT manager (integrator channel); end user (prosumer direct/Amazon).

5 KANEXPRO PRODUCT COMPARISON

The SW-4X1HDUSBC fills the “simple rooms” gap in KanexPro’s switcher lineup — compact source selection without extension or advanced control.

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
SW-4X1HDUSBC	Simple 4×1 switching	3× HDMI + 1× USB-C, 48Gbps, 8K60, auto-switch	Compact, budget-friendly, no extension or KVM
SW-4X2PS-70M	Full presentation rooms	4×2, HDBaseT 3.0, Dante, KVM, 60W PD, multiview	~5× price, adds extension + audio DSP + KVM
SP-HDMI2X4-8K	Multi-display distribution	2×4 matrix, per-output downscaling, audio de-embed	Distributes to 4 displays; SW-4X1HDUSBC consolidates to 1

Choose SW-4X1HDUSBC for rooms with 1 display and up to 4 sources (including USB-C laptops) that need plug-and-play switching without extension.

6 FREQUENTLY ASKED QUESTIONS

Q: Why not just use a USB-C to HDMI adapter?

Adapters add failure points, degrade signal quality at 8K, and get lost. Native USB-C input eliminates the adapter entirely with 32Gbps DP 1.4 video.

Q: Does it support eARC or audio extraction?

No. Audio passes through to the display. For eARC extraction, pair with the KanexPro AUD-DEBEDEARC-4K downstream.

Q: What cables do I need for 8K?

Ultra High Speed HDMI cables (48Gbps certified) — 2m max for 8K, 8m for 4K60. USB-C requires DP Alt Mode support.

Q: Is it rack-mountable?

No — 145 × 68 × 18 mm ultrathin profile designed for desk, behind-monitor, or under-table mounting.

Q: What certifications?

CE, FCC, UL certified. AC 100–240V universal power supply for worldwide deployment.

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