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

Eliminate adapter dependency in multi-source AV environments with native USB-C and HDMI 2.1 switching in a single ultrathin enclosure. The KanexPro SW-4X1HDUSBC combines three HDMI 2.1 inputs and one native USB-C input into a 4×1 auto switcher that routes any source to a single HDMI display — supporting resolutions up to 8K@60Hz and 4K@120Hz with full 48Gbps bandwidth.

Compliant with HDMI 2.1, HDCP 2.3, and DP 1.4, the switcher supports the full HDMI 2.1 protocol stack including VRR, ALLM, QMS, QFT, and SBTM for gaming and professional display applications. HDR10, HDR10+, Dolby Vision, HLG, and multichannel audio including Dolby Atmos and DTS:X pass through uncompressed. Advanced EDID management via 3-pin DIP switch with 8 presets. Control via front-panel button or IR remote. CE, FCC, and UL certified.

8K60	**USB-C**	**4K120**	**Atmos**	**EDID**
48Gbps FRL HDMI 2.1	Native 32Gbps DP 1.4 Input	VRR • ALLM QMS • QFT	Dolby TrueHD DTS:X	8-Mode DIP Management

KEY FEATURES

- Routes 3× HDMI 2.1 and 1× native USB-C input to 1× HDMI output — eliminates adapter dependency in mixed-source environments
- HDMI video bandwidth up to 48Gbps FRL and 18Gbps TMDS; USB-C video bandwidth up to 32Gbps with DP 1.4 compliance
- Supports resolutions up to 8K@60Hz 4:2:0 12-bit (HDMI) and 8K@30Hz 4:2:2 10-bit (USB-C), plus 4K@120Hz 4:4:4 12-bit
- Full HDMI 2.1 protocol support including VRR, ALLM, QMS, QFT, and SBTM for gaming and professional displays
- HDR, HDR10, HDR10+, Dolby Vision, and HLG pass-through preserves HDR metadata end-to-end
- LPCM 7.1CH, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio, and DTS:X audio pass-through
- Auto input switching detects newly connected or powered-on sources; manual switching via front-panel button or IR remote
- Advanced EDID management via 3-pin DIP switch with 8 presets including sink copy, FRL 12G/10G, and configurable audio formats
- CEC pass-through enables TV-to-source control; ultrathin metal housing (145 × 68 × 18 mm) with CE, FCC, and UL certification

SPECIFICATIONS

HDMI / HDCP / DP	HDMI 2.1 • HDCP 2.3 • DP 1.4
Video Bandwidth	HDMI: Up to 48Gbps FRL / 18Gbps TMDS • USB-C: Up to 32Gbps
Video Resolution	HDMI: 8K@60Hz 4:2:0, 4K@120Hz 4:4:4 • USB-C: 8K@30Hz 4:2:2, 4K@120Hz 4:2:2
HDR Formats	HDR • HDR10 • HDR10+ • Dolby Vision • HLG
Audio	LPCM 7.1, DD/DD+/EX, TrueHD, Atmos, DTS/DTS-EX/96-24/HR/HD MA, DTS:X, DSD
Input / Output	3× HDMI + 1× USB-C In • 1× HDMI Out • 1× USB-C Service
Control	Front Panel Button • IR Remote • 3-Pin EDID DIP Switch
HDMI 2.1 Features	VRR • ALLM • QMS • QFT • SBTM • CEC
Enclosure	Metal • Black • 145 × 68 × 18 mm • 258g
Power	AC 100–240V → DC 5V/1A • 2.25W max • CE/FCC/UL
Environment	32–104 °F (0–40 °C) • 20–90% RH

PACKAGE CONTENTS

1× 48Gbps 4×1 Switcher • 1× IR Remote • 1× 5V/1A Power Supply • 1× User Manual