

Native USB-C DisplayPort Alt Mode 4K60 Extender over Fiber — 10G SFP+, up to 10km

Extend a USB-C Source Without Dongling to HDMI - Full 4:4:4, HDR Pass-Through, EDID from Receiver

MPN: EXT-USBC4KFIB-10KM



Carries a native USB-C 4K60 display signal up to 10km over single-mode fiber, with no dongle at the source and no 100m copper ceiling. The transmitter and receiver are a matched pair of compact black metal endpoints — 3.19" × 1.93" × 0.98" each, powered by their own 5V/1A supplies at 2.7W and 2.5W — that take a USB-C source running DisplayPort Alt Mode straight onto 10G SFP+ fiber and back to native USB-C at the display. It is the right choice for multi-building campuses, transport hubs, stadiums, control rooms and broadcast installs where reach across a fiber backbone and full signal integrity matter more than carrying keyboard-and-mouse peripherals.

The link holds 4K at 60Hz in full 4:4:4 color with HDR10, HDR10+, Dolby Vision and HLG pass-through, and lossless audio up to Dolby Atmos and DTS:X — the same at 300m or at 10km — while EDID passes back from the receiver so the source always reads the remote display. SFP+ modularity is the single strongest differentiator: the same TX/RX pair serves a 10km single-mode run or a 300m OM4 multi-mode run by swapping the optic, so the fiber plant you already own decides the module, not the extender. SFP+ modules and fiber are selected to match the run and sold separately.

 4K60 4:4:4 Full Color, No Fallback	 10km Single-Mode Fiber	 USB-C Native DP Alt Mode, No Dongle	 10G SFP+ SM 10km or OM4 300m	 HDR HDR10+, Dolby Vision, HLG
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KEY FEATURES

- Native USB-C DisplayPort Alt Mode input — no source-side dongle
- 4K60 in full 4:4:4 color, held from 300m to 10km
- HDR10, HDR10+, Dolby Vision and HLG pass-through
- Lossless audio to Dolby Atmos and DTS:X
- Up to 10km single-mode fiber; up to 300m over OM4 multi-mode
- 10G SFP+ modules on LC — swap the optic to match the plant
- EDID passback from receiver to transmitter
- Compact black metal endpoints, 5V/1A powered

SPECIFICATIONS

USB-C / HDCP	USB-C 1.1 DP Alt Mode - HDCP 2.3/2.2/1.x
Video	4K60 4:4:4 - any VESA resolution - 8/10/12-bit
Bandwidth	32.4 Gbps (8.1/5.4/2.7/1.62 Gbps)
HDR	HDR10, HDR10+, Dolby Vision, HLG
Audio	LPCM 7.1, Dolby TrueHD/Atmos, DTS-HD MA, DTS:X
Reach	10km single-mode - 300m OM4 multi-mode
Connections	USB-C 24-pin in/out - 10G SFP+ LC - USB-C service
Power	AC 100-240V in - DC 5V/1A - 2.7W / 2.5W max
Environmental	0-40°C operating - 20-80% RH non-condensing
Dimensions / Weight	3.19 × 1.93 × 0.98 in · 0.30 / 0.30 lbs (138 g ea)
Enclosure	Black metal - transmitter and receiver identical
Certifications	CE, FCC, UL
Package Contents	1× 4K60 USB-C over Fiber Extender (Transmitter) • 1× 4K60 USB-C over Fiber Extender (Receiver) • 2× 5V/1A multinational power supply

APPLICATIONS

 Campus Signage 4K feed across the fiber backbone	 Hospital Imaging HDR reference display, isolated link	 Stadium Feeds 4K60 4:4:4 across the bowl	 Control Rooms sharp 4:4:4 text and schematics	 Corporate Overflow laptop to the next building
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