Adaptive USB-C 3.2 Gen2 Active Optical Cable — 15M

4-Lane DP 2.1 | USB 3.2 10Gbps | PD 60W | Adaptive Mode | 3-Year Warranty

MPN: CBL-AOCUSBC-15M

KanexPro Adaptive USB-C 3.2 Gen2 Active Optical Cables are the first full-featured USB-C AOC solution that simultaneously delivers DisplayPort video, USB 3.2 10Gbps data, and PD 60W charging over runs of 5, 10, or 15 meters. An embedded switching chip automatically selects the optimal lane configuration — no firmware, no configuration, completely plug-and-play.

GGP (Glass-coated Graded-index Polymer) fiber construction enables a 2mm static bend radius with 5-core optical + 12-copper hybrid construction in a 6.5mm diameter cable — EMI-immune, flexible enough for tight cable management, and backward compatible with USB 2.0/1.1 devices. Backed by KanexPro's 3-year warranty.

Adaptive	DP 2.1	PD 60W	GGP Fiber	3-Year
2-Lane or 4-Lane Auto	USB 3.2 10Gbps	20V / 3A Charging	2mm Bend Radius	KanexPro Warranty

KEY FEATURES

- Adaptive mode: auto-selects 4-lane DP 2.1 + USB 2.0, or 2-lane DP 1.4 + USB 3.2 10Gbps based on device needs
- PD 60W (20V/3A) charging in both modes — video, data, and charging simultaneously
- DP 2.1 (4-lane) supports up to 8K@60Hz or 4K@144Hz; DP 1.4 (2-lane) up to 4K@60Hz
- USB 3.2 Gen2 10Gbps data transfer (2-lane mode); backward compatible with USB 2.0/1.1
- GGP fiber — 2mm static / 20mm dynamic bend radius; 5-core optical + 12-copper hybrid; 6.5mm OD
- EMI/RFI immune; attenuation <0.0035dB/m; pull resistance 100N/200N; pressure 200N/400N
- Plug and play — no firmware, no configuration; zinc-alloy connector shell; 0–50°C operating

SPECIFICATIONS

Type	USB-C 3.2 Gen2 Full-featured AOC
Adaptive Modes	4-Lane: DP 2.1 + USB 2.0 + PD 60W • 2-Lane: DP 1.4 + USB 3.2 10Gbps + PD 60W
Cable Length	15M (49 ft.)
Max Resolution	4-Lane: 8K@60Hz • 2-Lane: 4K@60Hz (HBR3)
USB Data Rate	10Gbps (USB 3.2 Gen2, 2-lane mode) • USB 2.0 (4-lane mode)
Power Delivery	PD 60W (20V/3A)
Connector	USB-C Male (both ends) • Zinc-alloy shell
Cable Structure	5-core GGP optical fiber + 12 copper conductors
Cable OD	6.5mm
Bend Radius	20mm dynamic • 10mm static
Attenuation	<0.0035dB/m
Pull Resistance	100N continuous • 200N short-term
Temp	0~50°C operating • -40~70°C storage

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