



USB-C TO HDMI Active Optical Fiber Cable

EXP-AOC-501x (DP 1.2 4K) Series Datasheet

INTRODUCTION

The EXP-AOC-501x USB-C to HDMI AOC cable delivers superior 4K 60Hz video up to 30 meters. Leveraging fiber optic technology, it ensures stable, EMI-free transmission, fully compliant with DisplayPort 1.2 and USB-C DP Alt Mode. Ideal for high-speed video applications across computers, wearables, displays, and projectors, this cable offers a mature and competitive solution for the demanding AV market

FEATURES

- ✔ Supports 4K 60Hz ultra-high-definition video.
- ✔ Supports multiple resolutions including 4K 30Hz, 1080p, 1080i, and 720p.
- ✔ Supports HDR display for richer colors and contrast.
- ✔ Supports HDMI 3D view.
- ✔ Supports lengths up to 30 meters, with custom length options available.
- ✔ Utilizes fiber optic technology, eliminating RF interference and ensuring stable operation in complex environments.
- ✔ Complies with DP 1.2 specification and is compatible with DP Alternate Mode.
- ✔ Complies with HDMI 2.0 specification.
- ✔ Supports HDCP 2.2 content protection.
- ✔ Fiber optic transmission for stable signal quality.
- ✔ Hybrid fiber-copper cable.

EXP-AOC-501x Specification

Video Input	USB Type-C
Video output	HDMI Type A
Video Revision	DP1.2/ HDMI 2.0
HDCP	Supports HDCP 2.2/1.4
EDID Support	Yes
HDR/ 3D Support	Yes
Maximum Data Transfer Rate	18G
Maximum Digital Resolutions	4K60Hz
Audio Specifications	Dolby TrueHD 、 DTS-HD Master Audio 、 PCM
Connector Plating	24K gold-plated
Cable Jacket Material	PVC/TPU (Custom)
Cable Type	Hybrid type with OM3 fiber and copper wire
Cable Outer Diameter	4.5mm
Cable Length	10M~30M
Operating Temperature	0°C to 55°C (32°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Warranty	2 Year



TECHNICAL DRAWING

