

HD-1021AOC cable

SMART®



Overview

The HD-1021AOC is a 33' (10 m), active optical cable that carries uncompressed HDMI 2.1 video and audio over optical fiber. It supports resolutions up to 8K at 60 Hz and a maximum bandwidth of 48 Gbps. Featuring a plenum-rated jacket suitable for in-wall and in-ceiling installations, the cable is bus-powered from the connected source and requires no external power supply.

This Ultra High Speed HDMI™ Cable is certified under the Ultra HDMI™ Cable Certification Program. It has been tested and certified by SMART to work with all SMART interactive displays that have an HDMI connector.

Note

The HD-1021AOC is a directional cable. Connect the Source end to your playback device and the Display end to your screen. Reversing the connection will result in no signal.

Standard features

HDMI version	HDMI 2.1
HDCP version	HDCP 2.3
Max bandwidth	48 Gbps
Video support	Up to 8K @60 Hz 4K @ 144 Hz 1080p@ 240 Hz
HDR support	DCI Static HDR, HDR10+ Dolby Vision HLG SL-HDR1 PQ BT.2020 BT.2100
Supported features	EDID CEC ALLM VRR DSC ARC eARC
Audio compliance	2-channel PCM Multichannel LPCM up to 192 kHz / 32 channels DTS-X Dolby Atmos
Cable type	Active optical, hybrid fiber and copper conductors
Directionality	Yes, source end to display end
Jacket	CMP (plenum rated)



Connectors

HDMI Type-A male (19-pin), both ends | Die-cast zinc alloy | 24-carat gold-plated contacts

Compatibility

SMART Board interactive displays with an HDMI 2.1 connector | Backward compatible with HDMI 2.0 and earlier

Storage and operating requirements

Power supply	Bus-powered 4.5V–5.5V VCC from connected source
Power consumption	25 mW max
External power	Not required
Operating temperature	32°F–140°F (0°C–60°C)
Storage temperature	–4°F–158°F (–20°C–70°C)
Relative humidity	5%–90%

Certification and compliance

Certification	Ultra High Speed HDMI Cable Certification (HDMI LA)
US / Canada	FCC ISSED TSCA CONEG Packaging Proposition 65
EU / EEA / EFTA / UK	CE UKCA REACH RoHS WEEE POP PPWR
Australia / New Zealand	RCM

Purchasing information

Order number

HD-1021AOC	Cable, HDMI 2.1 M-M, ultra high speed certified, 48 Gbps, eARC, 8K60, 33' (10 m), AOC, plenum rated
-------------------	---

Warranty

SMART limited equipment warranty	1 year Terms and conditions and warranty upgrade options vary by region. Visit smarttech.com/warranty or contact your reseller for information.
---	---

Installation, dimensions, and weights

Length	33' (10 m)
Outer diameter	1/4" (6 mm ± 0.2 mm)
Bend radius	2 3/8" (60 mm)
Weight	1 lb. 2 oz (522 g)
Shipping dimensions	8 7/8" × 8 7/8" × 1 1/2" (225 mm × 224 mm × 39 mm)
Shipping weight	1 lb. 6 oz (630 g)

smarttech.com
smarttech.com/contact

© 2026 SMART Technologies ULC. All rights reserved. SMART Board, smarttech, the SMART logo and all SMART taglines are trademarks or registered trademarks of SMART Technologies ULC in the U.S. and/or other countries. The Adopted Trademarks HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries. All other third-party product and company names may be trademarks of their respective owners. This product and/or use thereof is covered by one or more of the following U.S. patents: www.smarttech.com/patents. Models and specifications may vary by region. Please contact your local representative for details. Contents are subject to change without notice. July 2, 2026.