



e2zon



eZon Fiberlink Catalog

Connecting Performance Over Distance

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DESCRIPTION

eZon Active Optical Connectivity delivers high-performance fiber optic connectivity solutions designed for professional AV, enterprise, industrial, and commercial environments. The product portfolio enables reliable, high-bandwidth signal transmission over extended distances while maintaining excellent signal integrity for modern digital applications.

Supporting interfaces including HDMI, DisplayPort, DVI, USB, and Optical Audio, eZon solutions are engineered to simplify long-distance connectivity where conventional copper cables may be limited by distance, bandwidth, or electromagnetic interference.

WHY CHOOSE EZON ACTIVE OPTICAL CABLES

- Long-distance signal transmission
- High-bandwidth support for modern audio and video standards
- Excellent resistance to electromagnetic interference (EMI)
- Lightweight and flexible cable construction
- Reliable performance for professional installations
- Wide range of interface options
- Designed for commercial and enterprise applications
- Professional-grade build quality

APPLICATIONS

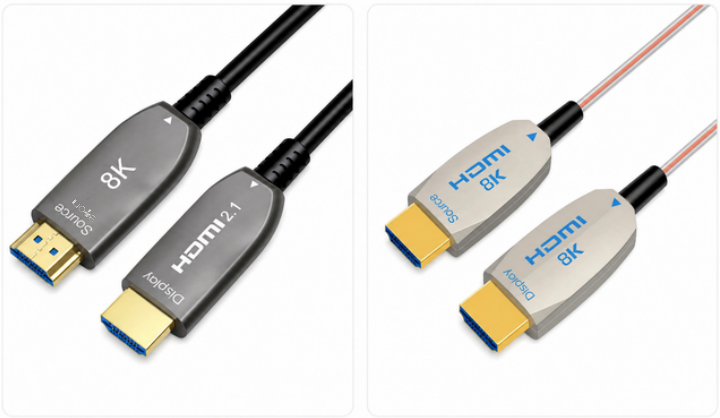
- Professional AV installations
- Digital Signage
- Interactive Displays
- Conference & Meeting Rooms
- Control Rooms
- Broadcast & Live Events
- Education
- Healthcare
- Industrial Automation
- Data Centers
- Security & Surveillance
- Command & Control Centers

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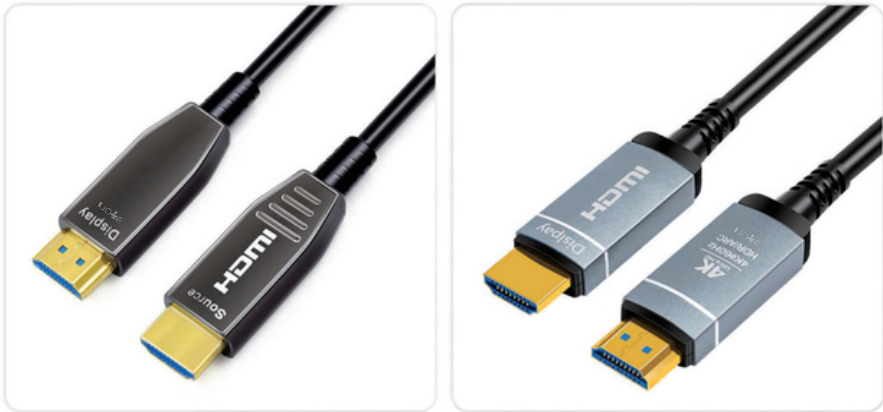
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EZON 8K HDMI 2.1 ACTIVE OPTICAL CABLE

Specification	EZ-AVFHDC-2101	EZ-AVFHDC-2102*
Connector	HDMI 2.1, AM to AM	HDMI 2.1, AM to AM
Resolution	8K/60Hz, 4K/144Hz/120Hz	8K/60Hz, 4K/144Hz/120Hz
Bandwidth	48Gbps	48Gbps
Cable	Φ4.5mm, PVC/LSZH/UL/CMP	2.5 × 3.5mm, Hybrid, Transparent PVC
Supporting	eARC, CEC, HDCP 2.3, HDR	CEC, HDCP 2.3, HDR
Length	Up to 200m (656 ft)	Up to 20m (65 ft)



EZON 4K HDMI 2.0 ACTIVE OPTICAL CABLE

Specification	EZ-AVFHDC-2001	EZ-AVFHDC-2002*
Connector	HDMI 2.0, AM to AM	HDMI 2.0, AM to AM
Resolution	4K/60Hz, 2K/144Hz, 1080P	4K/60Hz, 2K/144Hz, 1080P
Bandwidth	18Gbps	18Gbps
Cable	Φ4.5mm, PVC/LSZH/UL/CMP	Φ4.5mm, PVC/LSZH/UL/CMP
Supporting	ARC, CEC, HDCP 2.2, HDR	ARC, CEC, HDCP 2.2, HDR
Length	Up to 300m (985 ft)	Up to 300m (985 ft)

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EZON 8K HDMI 2.1 USB-C / DISPLAYPORT TO HDMI ACTIVE OPTICAL CABLE

Specification	EZ-AVFCZH-2101	EZ-AVFDZH-2101
Connector	USB Type-C to HDMI 2.1 AM	DisplayPort 1.4 to HDMI 2.1 AM
Resolution	8K/60Hz, 4K/144Hz/120Hz	8K/60Hz, 4K/144Hz/120Hz
Bandwidth	32.4Gbps	32.4Gbps
Cable	Φ4.5mm, PVC/LSZH	Φ4.5mm, PVC/LSZH
Supporting	ARC, CEC, HDCP 2.2, HDR	ARC, CEC, HDCP 2.2, HDR
Length	Up to 60m (200 ft)	Up to 60m (200 ft)



EZON DETACHABLE 8K HDMI 2.1 ACTIVE OPTICAL CABLE

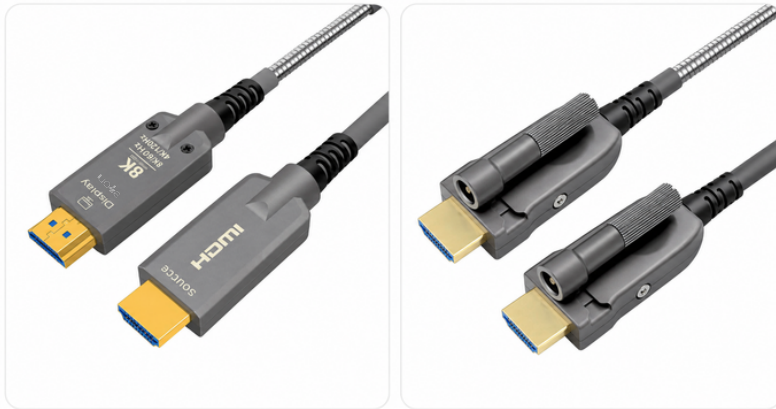
Specification	EZ-AVFHDC-2103	EZ-AVFHDC-2104
Connector	HDMI 2.1, AM to Micro-D	HDMI 2.1, AM to Micro-D
Resolution	8K/60Hz, 4K/144Hz/120Hz	8K/60Hz, 4K/144Hz/120Hz
Bandwidth	48Gbps	48Gbps
Cable	Φ4.5mm, PVC/LSZH/UL/CMP	Φ4.5mm, PVC/LSZH/UL/CMP
Supporting	eARC, CEC, HDCP 2.3, HDR	eARC, CEC, HDCP 2.3, HDR
Length	Up to 200m (656 ft)	Up to 200m (656 ft)
Remark	*	Patented Secure-lock Design

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EZON ARMORED 8K HDMI 2.1 ACTIVE OPTICAL CABLE

Specification	EZ-AVFDHC-K2101	EZ-AVFDHC-K2102
Connector	HDMI 2.1, AM to AM	HDMI 2.1, AM to AM
Resolution	8K/60Hz, 4K/144Hz/120Hz	8K/60Hz, 4K/144Hz/120Hz
Bandwidth	48Gbps	48Gbps
Cable	Armored, Φ6.0mm, TPU	Armored, Φ6.0mm, TPU
Supporting	eARC, CEC, HDCP 2.3, HDR	eARC, CEC, HDCP 2.3, HDR
Length	Up to 300m (985 ft)	Up to 300m (985 ft)
Remark	*	Patented Screw-lock Design



EZON ARMORED TACTICAL CABLE DRUMS

Specification	EZ-AVFDHC-K2101	EZ-AVFTCD-M324LC
Connector	HDMI 2.1, AM to AM	LC/UPC-LC/UPC
Resolution	8K/60Hz, 4K/144Hz/120Hz	Fiber + Armored Tube + Kevlar + Metal Braid + TPU Jacket
Bandwidth	48Gbps	OM3-150 / SM
Cable	Armored, Φ6.0mm, TPU	2-24
Supporting	eARC, CEC, HDCP 2.3, HDR	400N (Dynamic), 800N (Static)
Length	Up to 300m (985 ft)	Up to 500m (1640 ft)
Remark	Protection caps optional	Protection caps optional

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EZON PURE FIBER 8K HDMI 2.1 EXTENSION CABLE

Specification	EZ-AVFPHC-2101	EZ-AVFPHD-K2104
Connector	HDMI 2.1, AM to AM, Detachable	HDMI 2.1, AM to AM, Detachable
Resolution	8K/60Hz, 4K/144Hz/120Hz	8K/60Hz, 4K/144Hz/120Hz
Bandwidth	48Gbps	48Gbps
Cable	Φ3.0mm, OM4 Pure Fiber, LSZH	Φ5.0mm / Φ5.3mm OM4 Pure Fiber, Armored, LSZH
Supporting	CEC, HDCP 2.3, HDR	CEC, HDCP 2.3, HDR
Length	300m (1000 ft)	Up to 300m (1000 ft)



EZON OPTICAL DISPLAYPORT & DVI ACTIVE OPTICAL CABLES

Specification	EZ-AVFDPC-1401	EZ-AVFDVC-2001
Connector	DP 1.4, AM to AM	DVI 2.0, AM to AM
Resolution	8K/60Hz, 4K/144Hz/120Hz	4K/30Hz, 1080P
Bandwidth	32.4Gbps	10.2Gbps
Cable	Φ4.8mm, PVC/LSZH	Φ4.8mm, PVC/LSZH
Supporting	CEC, HBR3, HDCP 1.4 / 2.2	EDID, HDCP
Length	Up to 150m (500 ft)	Up to 100m (330 ft)

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EZON USB 3.2 10GBPS ACTIVE OPTICAL CABLE

Specification	EZ-AVFUMF-3201	EZ-AVFUMM-3201
Connector	USB 3.2, AM to AF	USB 3.2, AM to AM
Bandwidth	10Gbps	10Gbps
Compatible	USB 3.0 / 2.0 / 1.1	USB 3.0 / 2.0 / 1.1
Power Delivery	5V / 900mA (Max.)	5V / 900mA (Max.)
Cable	Φ4.8mm, TPE/PVC	Φ4.8mm, Hybrid, TPE/PVC
Length	Up to 100m (<50m for USB 2.0/1.1)	Up to 100m (<50m for USB 2.0/1.1)



EZON USB 3.2 10GBPS ACTIVE OPTICAL CABLE - TYPE-C TO TYPE-C

Specification	EZ-AVFUCC-3201	EZ-AVFUCC-3202
Connector	USB 3.2 Type-C to Type-C	USB 3.2 Type-C to Type-C
Bandwidth	10Gbps	10Gbps
Compatible	USB 3.0 / 2.0	USB 3.0 / 2.0
Video	—	DP 1.4, 8K/60Hz, 4K/144Hz
Power Delivery	20V / 3A (Max.)	20V / 3A (Max.)
Cable	Φ4.5mm, TPE/PVC	Φ6.0mm, TPE/PVC
Length	Up to 8m (26 ft)	Up to 15m (50 ft)

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EZON USB 3.2 10GBPS ACTIVE OPTICAL CABLE - TYPE-A TO TYPE-B / TYPE-C

Specification	EZ-AVFUAB-3203	EZ-AVFUAC-3204
Connector	USB 3.2 Type-A to Type-B	USB 3.2 Type-A to Type-C
Bandwidth	10Gbps	10Gbps
Compatible	—	USB 3.0 / 2.0 / 1.1
Power Delivery	5V / 900mA (Max.)	5V / 900mA (Max.)
Length	Up to 60m (200 ft)	Up to 15m (50 ft)



EZON OPTICAL USB CABLES

Specification	EZ-AVFUCC-3203	EZ-AVFPUC-3001
Connector	USB 3.2 Type-C to Type-C	USB 3.0 AM to AF
Bandwidth	10Gbps	5Gbps
Compatible	USB 3.0 / 2.0	USB 2.0 / 1.1
Power Delivery	20V / 3A (Max.)	5V / 900mA (Max.)
Cable	Φ4.6mm, TPE/PVC	Φ4.0mm, TPE/PVC
Length	Up to 5m (16 ft)	Up to 100m (330 ft)

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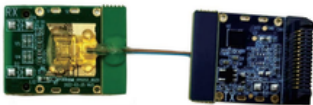
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EZON USB 3.0 5GBPS ACTIVE OPTICAL CABLE

Specification	EZ-AVFUMF-3001	EZ-AVFUAB-3001
Connector	USB 3.0 AM to AF	USB 3.0 AM to Micro-B
Bandwidth	5Gbps	5Gbps
Compatible	USB 2.0 (<5m)	USB 2.0 (Optional)
Power Delivery	5V / 900mA (Max.)	5V / 900mA (Max.)
Cable	Φ4.8mm, TPE/PVC	Φ4.8mm, TPE/PVC
Length	Up to 100m (330 ft)	Up to 40m (130 ft)

CUSTOMIZED SOLUTION



Customized Optical HDMI Isolator
For Audio Visual



Customized Optical HDMI2.0 Isolator
For Medical Equipment



Customized 1 to 3 Active Optical
Toslink Splitter



Customized Audio Converters

OPTIONAL TOSLINK SERIES





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