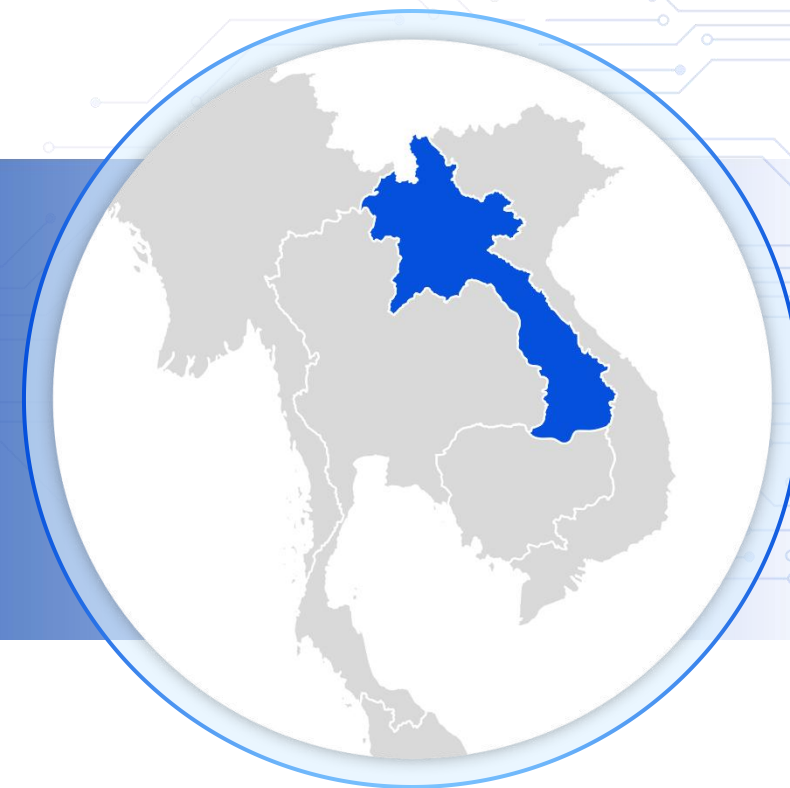


8K LINK&TSB Product Portfolio



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+8617727494759

2025-05-25
8K LINK and TSB Co., Ltd.

8K LINK and TSB Introduction

■ Company	8K LINK and TSB Co., Ltd
■ Established	August 2024
■ Capital	US\$1,000,000
■ Location	Vientiane Industry & Trade Area (VITA PARK) KM 22, Lot 56&57, Ban Nonhthong, Xaythany District, Vientiane Capital, Laos PDR
■ Employee	About 550
■ Production items	Optical modules Cables for security systems/industrial markets Cable assemblies for automotive/industrial markets Coaxial cable assemblies Connector assemblies



Reliable OEM/ODM partner

Optical Module: Smaller size with lower power consumption

Raw cable: UL cable optional, HDMI certificated cable optional, OD from 2mm to 7mm optional

Housing: Metal and Injection shell for choice, low cost to make new tooling.

Package: Anti-static bag, PE bag, craft box, color box optional

FREE label on cable and FREE sticker on package

FREE logo printing on Housing and on Cable Jacket

Catalog:TAA compliant

1. HDMI AOC
2. DP AOC
3. USB AOC
4. HDMI/DP/USB Copper cables

HDMI/DP/USB AOC series

HDMI Series

- 


Injection shell
- 


Zinc Alloy
- 


Detachable
- 

HDMI Type D

DP Series


- 


DP Cables
- 


DP Cables
- 


DP to HDMI

USB Series

- 


Micro-B
- 


AF TO AMCables
- 


Type C to C 3.2
- 


A to C 90 degree right angle

TYPE C Series

- 


90 degree right angle
- 


Type C Full Feature
- 


Type C to C 3.2
- 


Type C to HDMI2.1

Pure Fiber

- 


HDMI A to A
- 


A TO A Cables
- 


MPO Cables
- 


A TO A Cables

Customizable Series

- 

Customized for TV
- 

Customized for AR/VR
- 

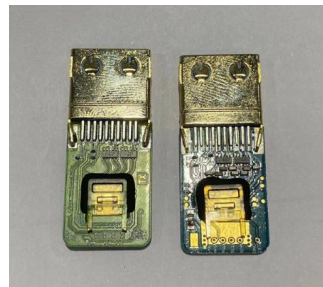
Customized for gaming
- 

Integrated
-

HDMI 2.0 Type A AOC

Features:

- Extend full 4096 X 2160 (4K) @ 60 HZ 4:4:4 video signals up to 100 meter
- Data transfer rates up to 18Gbps
- High dynamic range (HDR) video for expansive contrast ratio and color accuracy
- Gold-plated connectors and nylon-braided PVC for best plug resistance and longevity
- Compliant with all HDMI 2.0 and HDCP 2.2 specifications
- Plug and play, no software to be installed
- The source side connector connects to the source, and the display side connector connects to the display
- Hybrid construction utilizes both copper and fiber, no external power is required
- Ultra-thin, flexible cabling makes it easy to pull through tight spaces and navigate corners and bends with low risk of signal loss
- Fiber technology greatly reduces EMI/RFI emissions
- Compatible with earlier version and other standard HDMI interface devices



HDMI 2.1 Type A AOC

Features:

HDMI2.1 specification with 48Gbps mass-capacity bandwidth. Backward compatible

Up to 100m Maximum Length

Designed for transmitting up to 8K@60Hz unparalleled visual, as well as VR and 3D display signal in a lossless way even a long distance

Refresh rate at 120Hz while under 4K, ultra-fast motion UHD images to be crisp and razor-sharp, and higher refresh rate when using lower resolution

With Dynamic HDR, contrast, depth, brightness and wider color gamut are shown at ideal values on a frame-by-frame basis

With eARC, connectivity is enhanced and simplified for greater ease of use of multiple components discovery and audio optimization

Support the high-bitrate audio formats up to 192kHz, 24-bit, and uncompressed 5.1 and 7.1, Dolby specific lossless audio formats, and 32-channel uncompressed audio

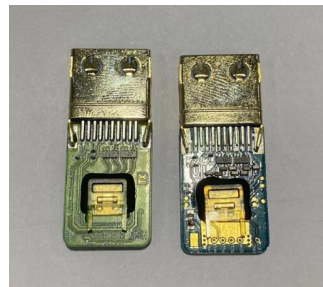
With VRR, gameplay will be more fluid and better detailed with nearly zero lag, judder and frame tearing

Support EDID incl. self-detecting function, ALLM, QMS and QFT

Made with strong zinc-alloy housing and corrosion-resistant gold-plated connector

Plug and Play

High resistance against surrounding electromagnetic interference. Safe for everyone via the nil-radiation environment



HDMI 2.1 Type D AOC

Features:

HDMI2.1 specification with 48Gbps mass-capacity bandwidth. Backward compatible

Up to 100m Maximum Length

Designed for transmitting up to 8K@60Hz unparalleled visual, as well as VR and 3D display signal in a lossless way even a long distance

Refresh rate at 120Hz while under 4K, ultra-fast motion UHD images to be crisp and razor-sharp, and higher refresh rate when using lower resolution

With Dynamic HDR, contrast, depth, brightness and wider color gamut are shown at ideal values on a frame-by-frame basis

With eARC, connectivity is enhanced and simplified for greater ease of use of multiple components discovery and audio optimization

Support the high-bitrate audio formats up to 192kHz, 24-bit, and uncompressed 5.1 and 7.1, Dolby specific lossless audio formats, and 32-channel uncompressed audio

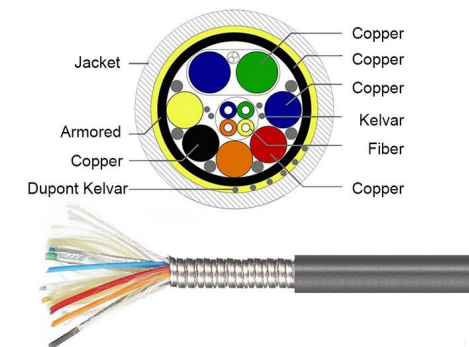
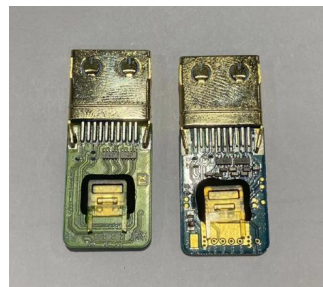
With VRR, gameplay will be more fluid and better detailed with nearly zero lag, judder and frame tearing

Support EDID incl. self-detecting function, ALLM, QMS and QFT

Made with strong zinc-alloy housing and corrosion-resistant gold-plated connector

Plug and Play

High resistance against surrounding electromagnetic interference. Safe for everyone via the nil-radiation environment



Armored HDMI 2.1 AOC



HDMI 2.1 PURE FIBER AOC

Features:

12-core OM3 pure optical fiber cable as the transmission conductor, no copper cable inside, lossless transmission at the speed of light

Detachable cable design, Modules can be disassembled and replaced

Support HDMI2.1 standard and 10K/8K/4K120Hz HDR

Support 100Gbps bandwidth (optical fiber cable) and support modules version upgrade

Support replacement of both ends of module, can be converted to HDMI/DP/DVI cable etc.

Support 303m standard long-distance transmission (longer cables can be customized for single-featured equipment)

Support backward compatibility with HDMI lower versions, HDCP 2.2 /2.3 and EDID automatic detection

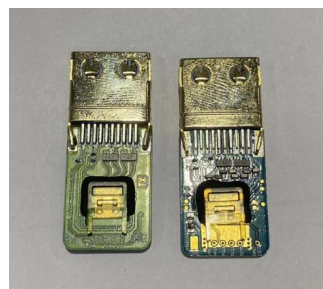
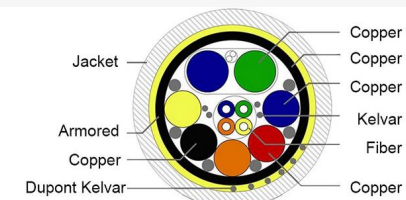
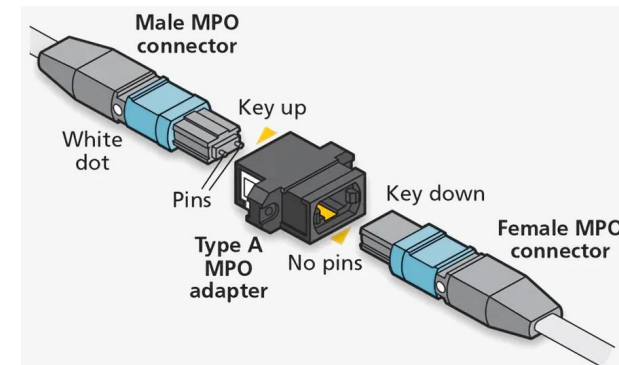
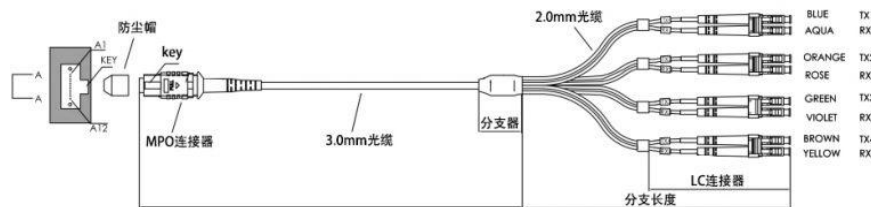
Support dynamic HDR/HDR10, eARC, VRR, ALLM, QMS, QFT, Dolby Atmos, Dolby Vision, DTS:X, etc.

The diameter of cable is only 3.0mm, easy to install and does not take up space

Excellent anti-radiation and anti-interference ability, perfectly solve EMI/RFI problems

After cross-testing of various brands and models equipments which support HDMI2.1 standard (such as Nvidia RTX 3080/3090, AMD ,Xbox Series X, LG CX C9 B9, Samsung Q80T Q90T, computer, PS5, projector, DVD player, laptop, TV, etc.)

Widely used in VR virtual equipment, home theaters, medical equipment systems, security monitoring, conference engineering, broadcasting systems, ships, etc.



Type C to HDMI AOC

Features:

Four-core optical fiber transmits DP signals and no attenuation, Support long transmission distance

Compatible with all Displayport 1.4& HDMI 2.1 Standard devices

Compliant with DP Alternate Mode on USB C standard

Fiber cable's superior nature in extremely low signal attenuation and immunity to RF interference

Thin and Light, 30% in weight of conventional copper cable

Resolution support 8K*4K@60Hz; 4:4:4

support 3D visual effects

Support DHCP 2.2, HDR3D

Data rate: 48Gbps bandwidth

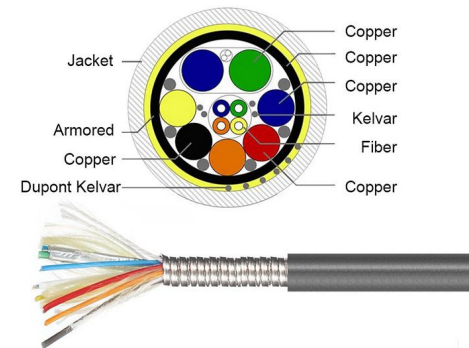
Plug and play, no need external power support, no drivers program required

500mW Ultra low power consumption

Zinc Alloy Shell Anti-electromagnetic interference increase wear resistance and improve service life

Compact zinc alloy shape, more suitable for pipe wiring

Working temperature -40°C-70°C



Displayport 1.4 AOC

Features:

High Resolution over Long Range — Active cable supports resolutions up to 8K@60Hz over long cable runs up to 100 meters.

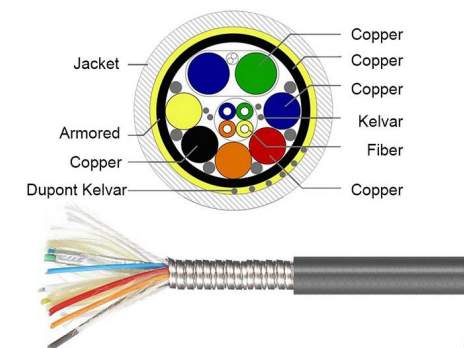
High Data Transfer Rate — Up to 32.8 Gbps.

No External Power Needed — Powers the active units via the DisplayPort connector with a power consumption of less than 0.5W for each end.

Supported Features — HDCP 1.4/2.2, HDR-10, HLG, Dolby Vision™, deep color, x.v.Color™, 5.1/7.1 lossless Dolby® TrueHD, DTS-HD Master Audio®, and EDID.

Extremely Durable — integrated. stainless steel, corrugated tube with Kevlar reinforcement protects the internal optical fibers. A TPU jacket, heavy duty connectors and robust waterproof & impact resistant connector covers ensure high pulling strength and compression load. Dispensed from a solid, mobile plastic spool.

Varied Selection of Lengths — Available in versions from 1 to 100m (3



Displayport 1.4 PURE FIBER AOC

Features:

High Resolution over Long Range — Active cable supports resolutions up to 8K@60Hz over long cable runs up to 300 meters.

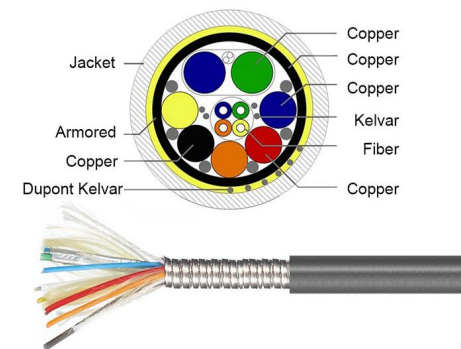
High Data Transfer Rate — Up to 32.8 Gbps.

No External Power Needed — Powers the active units via the DisplayPort connector with a power consumption of less than 0.5W for each end.

Supported Features — HDCP 1.4/2.2, HDR-10, HLG, Dolby Vision™, deep color, x.v.Color™, 5.1/7.1 lossless Dolby® TrueHD, DTS-HD Master Audio®, and EDID.

Extremely Durable — integrated. stainless steel, corrugated tube with Kevlar reinforcement protects the internal optical fibers. A TPU jacket, heavy duty connectors and robust waterproof & impact resistant connector covers ensure high pulling strength and compression load. Dispensed from a solid, mobile plastic spool.

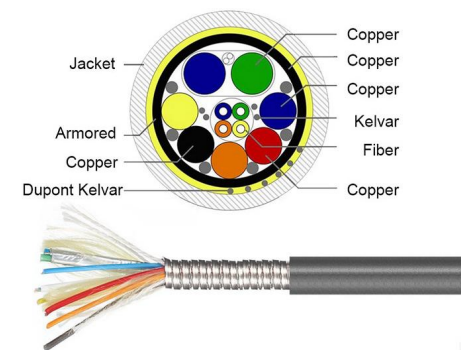
Varied Selection of Lengths — Available in versions from 1 to 300m (3.3 to 984ft)



Displayport 1.4 to HDMI 2.1 AOC

Features:

- Product: DisplayPort 1.4 to HDMI 2.1 AOC
- Cable: Hybrid optical cable with 4-fiber and 7-copper wire
- Video Resolution: 8k@60hz or 4k@120hz
- Max Length: 100m
- Data Transfer Rate: 48Gbps
- Source Connector: DisplayPort Male
- Display Connector: HDMI Male
- Cable Diameter: 4.8 mm
- Bend Radius: 5 mm
- Jacket Material: PVC (Polyvinyl Chloride)/ TPE/SILICONE



Displayport 1.4 AOC (4 lane DP with type c male connectors)

Features:

Supports 8K (7680x4320) at 60Hz

Distances up to 100m (328ft)

DisplayPort 1.4 compliant

USB2.0 compliant(within 10 meters)

Plug and Play

No external power required

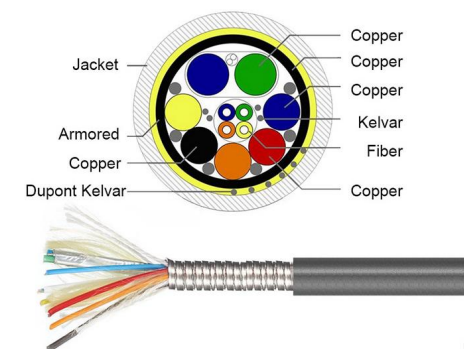
Requests USB-C port supporting DP Alt Mode

Jacket Material: PVC (Polyvinyl Chloride)/ TPE/SILICONE

Outer diameter could be customized from 3mm to 4.8mm



DisplayPort™



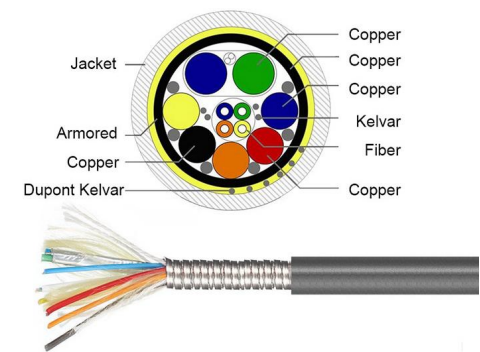
USB4 AOC

Features:

- Fully compliant with USB4.0 standard, support 40Gbps 8K60Hz PD100W fast charging
- Compatible with Thunderbolt 4/Thunderbolt 3 interface devices
- Compatible with USB4/USB3.2/USB3.1/USB2.0 standard interface devices
- Use high-end mature laser and photoelectric conversion driver chip
- Uses OM3 optical fiber cable wire as the transmission main body, with built-in photoelectric conversion engine
- Use Kevlar fiber (bulletproof yarn material) to enhance the characteristics of the optical cable, which is strong and resistant to pulling.
- Supports long-distance transmission up to 30 meters (longer cables can be customized)
- Support plug and play, no additional power supply required
- Supports bidirectional transmission without distinguishing directions

Specifications

- Product Version: USB4 (Compatible with Thunderbolt 4/ Thunderbolt 3; Backward Compatible with USB3.2/USB3.1/USB3.0/USB2.0)
- Bandwidth: 40Gbps Theoretical Bandwidth* (Devices at Ends Must Meet USB4/Thunderbolt4/Thunderbolt3 Standard to Reach 40Gbps)
- Video: 8K@60Hz/4K@144Hz Max.* (*In Video Mode, Devices at Ends Must Meet USB4/Thunderbolt4/Thunderbolt3 Standard)
- Power Supply
 - Support PD100W Max. within 3 meters/9.8 feet
 - Support PD60W Max. within 3-5 meters/9.8-16 feet
 - Support 5V-1A Max. over 5 meters/16 feet
- Transmission Distance: Up to 30m (98 ft)
- Cable Construction: 4x OM3 Optical Fiber, 8x Copper Conductors



USB3.2 Type C Full feature AOC (DP1.2+USB 3.2+USB 2.0+PD100W)

Features:

- Support 2 lane DP1.4, USB 3.2 Gen 2, USB 2.0, PD100W (Length no more than 15 meters)
- Length from 1 meter to 50 meters;
- The transmission signal is not compressed, and the image quality is not distorted;
- Support transmission 4K@60Hz on Macbook and other devices;
- Using multimode fiber to transmit high-speed signals, with good anti-interference performance;
- Interface type: USB Type C & Type C.
- No signal compression, no loss

PC
Industrial cameras
Video Cameras
Controllers



USB3.2 Type C to C AOC

Features:

- Meet USB 3.1 Gen2 Standard , bandwidth can reach up to 10Gbps super speed
- Support length up to 50m
- Support PD3.0 100W
- Hybrid optical cable with fiber and copper wire
- Support USB 2.0 & 3.0
- Support two sides plug and play
- Can provide 5V 800mA power maximum to the remote device
- Does not support charging or powering of devices
- No RF interference , working stable in complex environments

PC
Industrial cameras
Video Cameras
Controllers



USB3.2 Type A to C AOC

Features:

USB 3.1 Gen 2 and full bandwidth of 10Gbps

Improved 10G performance

Variety of pre-assembled cable lengths available, up to 15m

Support 5V 900mA max

Patented AOC hybrid-cable with only 5 mm bend radius

Supports both USB 2.0 and 3.1 in same cable

EMI (electromagnetic interference) protection

Maximum length: 50m

PC
Industrial cameras
Video Cameras
Controllers



USB3.1/3.2 Type A to Micro-B AOC

Features:

USB 3.1 Gen 2 and full bandwidth of 10Gbps& USB3.1 Gen 1 with 5Gbps

Variety of pre-assembled cable lengths available, up to 50m

Support 5V 900mA max

Patented AOC hybrid-cable with only 5 mm bend radius

Supports both USB 2.0 and 3.1 in same cable up 50 meters

For data transfers of up to 10G, no charging or powering of devices

EMI (electromagnetic interference) protection

PC
Industrial cameras
Video Cameras
Controllers

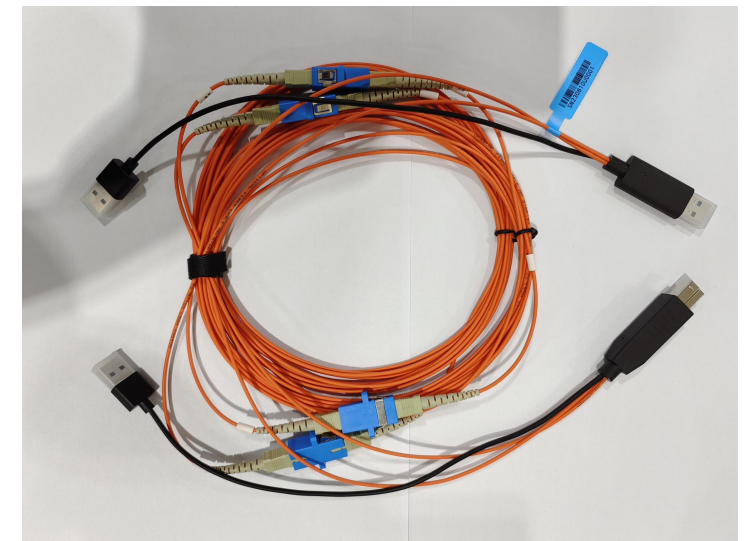


USB3.1/3.2 Type A to Type B AOC

Features:

- USB 3.1 Gen 2 and full bandwidth of 10Gbps& USB3.1 Gen 1 with 5Gbps
- Variety of pre-assembled cable lengths available, up to 50m
- Support 5V 900mA max
- Patented AOC hybrid-cable with only 5 mm bend radius
- Supports both USB 2.0 and 3.1 in same cable up 50 meters
- For data transfers of up to 10G, no charging or powering of devices
- EMI (electromagnetic interference) protection

PC
Industrial cameras
Video Cameras
Controllers



USB3.2 Type AM to AF AOC

Features:

- USB 3.1 Gen 2 and full bandwidth of 10Gbps& USB3.1 Gen 1 with 5Gbps
- Variety of pre-assembled cable lengths available, up to 50m
- Support 5V 900mA max
- Patented AOC hybrid-cable with only 5 mm bend radius
- Supports both USB 2.0 and 3.1 in same cable up 50 meters
- For data transfers of up to 10G, no charging or powering of devices
- EMI (electromagnetic interference) protection

PC
Industrial cameras
Video Cameras
Controllers



USB3.2 Type AM to AM AOC

Features:

USB 3.1 Gen 2 and full bandwidth of 10Gbps& USB3.1 Gen 1 with 5Gbps

Variety of pre-assembled cable lengths available, up to 50m

Support 5V 900mA max

Patented AOC hybrid-cable with only 5 mm bend radius

Supports both USB 2.0 and 3.1 in same cable up 50 meters

For data transfers of up to 10G, no charging or powering of devices

EMI (electromagnetic interference) protection

PC
Industrial cameras
Video Cameras
Controllers
Medical devices



RJ45 AOC

Features:

Perfect for RJ45 Connector 10GBASE-T 10Gb Ethernet Applications

Ultra-slim RJ45 AOC with OD3.0mm

Support max 300 meters length

EMI (electromagnetic interference) protection

PC
Industrial cameras
Video Cameras
Controllers
Medical devices



USB4 copper cable

Features:

USB 4.0 Gen 2 and full bandwidth of 40Gbps& 20Gbps(5 meters)

Support PD3.1 240W, PD3.0 100W

Backward compatible with USB3.2, 3.2, 2.0, 1.1

Support DP1.4 8K@60Hz video transmission

Jacket: PVC, TPE, PVC+braided.

Housing: Injection and metal shell are available.

PC
Industrial cameras
Video Cameras
Controllers
Medical devices



Thunderbolt5 copper cable

Features:

Thunderbolt5 Copper cable with Intel certificated chip

16K/60HZ, 8K/60HZ, 4K/120HZ, 4K/60HZ, PD240W

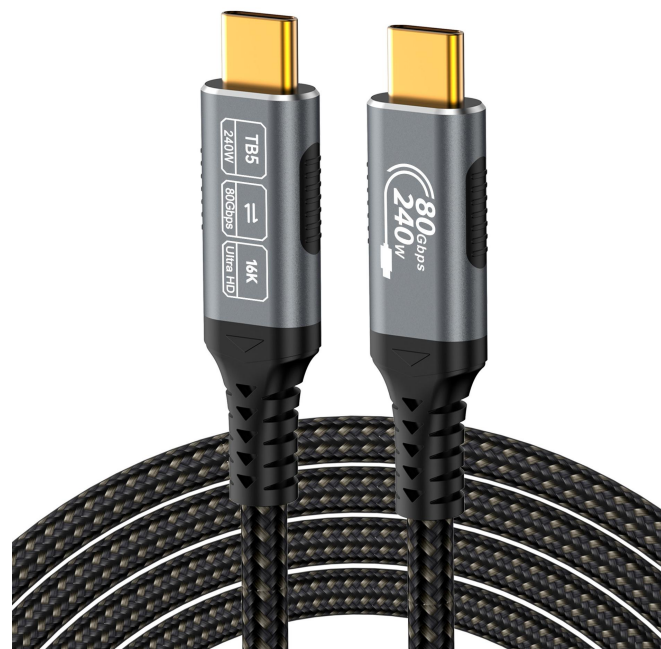
Connector: Copper with 3u gold-plated

Shell: PVC+Aluminum

Jacket: PVC, TPE, PVC+braided.

Housing: Injection and metal shell are available.

PC
Industrial cameras
Video Cameras
Controllers
Medical devices



HDMI2.1 Ultrm slim copper cable

Features:

OD2.7MM support max 1.5 meters

TPE outer jacket

{7/0.04(38AWG)*1C+SP24/0.050T+CU+HM}*8COAX+{7/0.05(36AWG)*1P+D+AL+HM}*1

C+7/0.06(34AWG)*4C+F+AB Multi-strand tinned copper conductor Tinned copper braid

95% SP(65/0.08)

PC
Industrial cameras
Video Cameras
Controllers
Medical devices



TV customized AOC



Main feature:

- Support refresh rate Up to 240HZ, 240HZ maximum support 1080P
- Support resolution Up to 4k*2k 4k*2k 4:4:4 is 60HZ
- Support 3D
- Support HDCP HDCP2.2
- Wavelength 850nm
- Execution bit error rate 1.00E-12
- VCSEL output power CLASS1
- Current support: support 6A current transmission

VR customized AOC



Main feature

- Support hot swap, plug and play, no need external power supply;
- DP1.4 supports up to 16.2Gbps;
- USB supports up to USB3.2, 10Gbps, and USB2.0, 480Mbps;
- Portable, the VR AOC can transmit audio and video signals and control signals such as USB at same time, video signals without compression and image quality without distortion;
- The cable length, outer diameter, cable color and connector shell can be customized according to customer needs.

THANK YOU

Welcome to visit our Laos factory!

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+8617727494759

2025-05-25
8K LINK and TSB Co., Ltd.