

**Model** : ATZ AOC-UC3420F-xxM (xx=Length: 3/5/8/10/15)  
**Description:** USB3.2 Gen2 Type-C AOC FULL Function Adaptive switching  
2/4-Lane DP2.1, 20G(Bi-di)+4K+PD60W (3M/5M/8M/10M/15M)



ATZ UC3420F series USB-C to C AOC break the characteristics of the existing active optical cable and support two specifications at the same time: support 4-lanes DP2.1+USB2.0 or 2-Lane DP1.4+USB3.2 10G, by using optical fiber instead of copper wire as a high-speed signal transmission medium, it's longer, thinner, softer, no radiation, and no electromagnetic interference. It achieves multiple functions such as USB3.2 10Gbps data transfer, DP video output, PD charging, and backward compatible with USB2.0/1.1, it's the most complete solution for no-fuss compatibility with different applications.

## Features:

- Support 4 lanes DP2.1+USB2.0 480Mbps
- Support 2 lanes DP1.4+USB3.2 10Gbps
- Support data transmission bi-directional, and backward compatible with USB 2.0/1.1
- Support DP-Alt-Mode at 8K/4K@60Hz
- Support PD 60W (20V/3A) for length≤10 meters
- Support PD 40W (20V/2A) for length over 10 meters
- Plug and play without driver dependent
- Highly resistant to EMI and RFI

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## Application:

- Conference Room
- Class Room
- Medical Imaging
- Airplane On-board Video System
- Home Theater
- Blue-ray, 3D video, Projector, Set-up box, DVR, Game Consoles and Computer
- TV Broadcast Station
- Security systems

## Absolute Maximum Rating:

Parameter	Symbol	Min	Max	Unit
Power Supply Voltage	VCC	3.0	20.0	V
Operating Temperature	Top	0	50	°C
Storage Temperature	Ts	-40	70	°C
Relative Humidity	Hs	10	80	%RH

## Specifications:

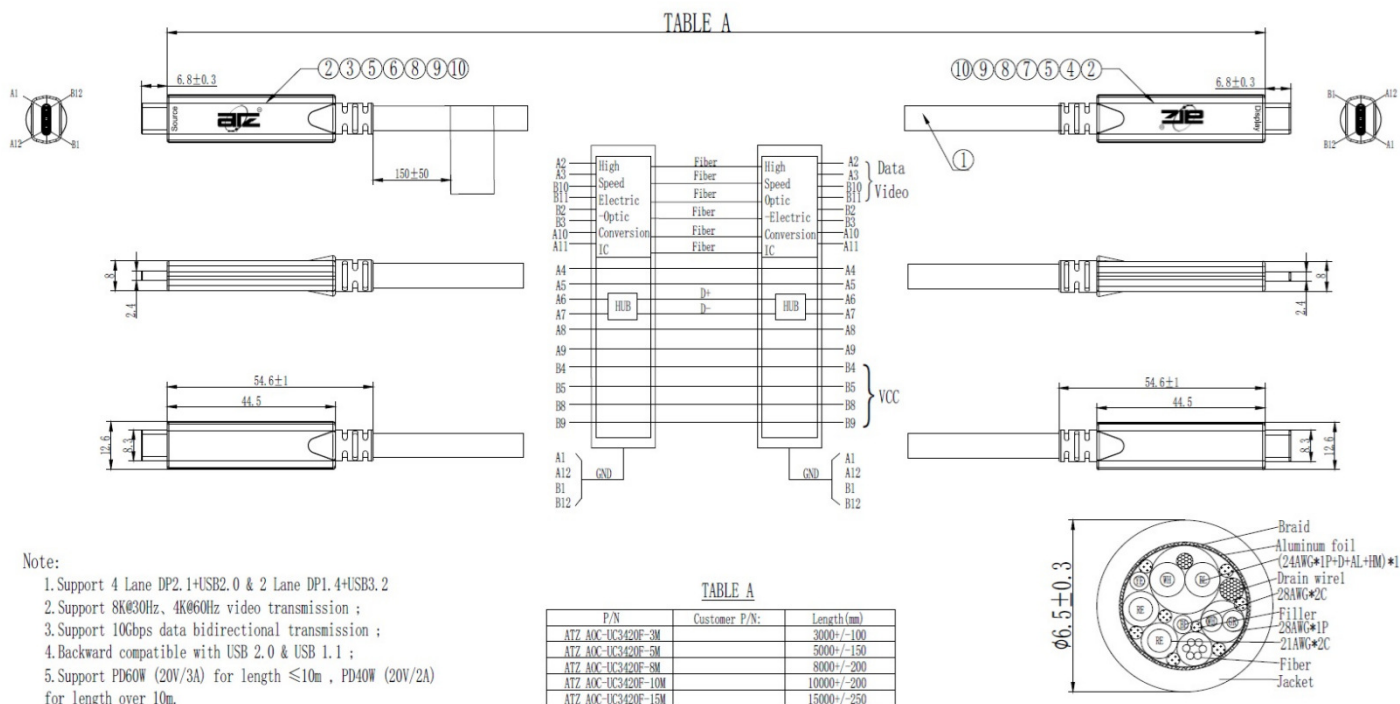
Item	Description
Cable Length	15m Max.
Interface	USB type-C male plug
Bandwidth	Data: USB3.2:10Gbps + Video: DP1.4 (8.1Gbps x 2 Lane); Data: USB2.0:480Mbps + Video: DP 2.1 (10Gbps x 4 Lane).
Power Delivery	Length ≤10m: 60W ; Length > 10m: 40W
Power Supply	By Vconn (3V to 20V)
Power Consumption (TYP.)	< 1.25W (5V input)
Cable Outer Diameter	6.5mm
Jacket Outer Material	TPE (VW-1)
Cable Filler	Kevlar
Cable Weight	See packing details sheet
Cable Color	Black
Min Bend Radius	65mm(Dynamic)/40mm(Static)
Tensile Strength	200N(Long Term)/400N(Short Term)

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## System Requirement:

Windows XP / Vista / 7 / 8 / 10 / 11, Mac OS and above

## Product Drawing:



## Warranty: 2 Years

Warranty is effective from the date of original delivery.

This warranty shall be void if a serial number has been removed from the product.