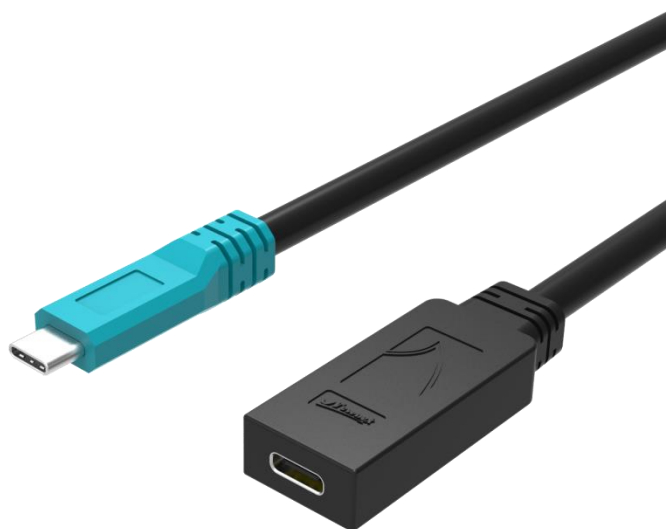


# FireNEX™-uLINK-10GEX



Multi-functional USB-C Active Extension Cable  
For USB 3.2 10Gbps, DisplayPort™ 1.4, and 60W PD

## Data Sheet



### Introduction

FireNEX™-uLINK-10G-EX provides the world's first USB-C to USB-C female active extension solution for over 4 meters (13 ft.). Finding a right USB-C extension cable that is long enough while keeping good signal integrity for 10Gbps data rate is challenging, since most of USB-C extension cables are passive and short. FireNEX™-uLINK-10G-EX provides user a brand new experience with USB-C extension: users can connect with their own USB-C cable or tethered USB-C device without sacrificing the signal integrity.

FireNEX™-uLINK-10G-EX supports USB 3.2 Gen 2 10Gbps data rate while maintaining the full backward compatibility with USB 3.0/2.0/1.1. It also supports 2-Lane DisplayPort over alt mode which allows users to extend a USB-C dock station connected with two 4K display monitors working at the same time. It works with USB PD 3.0, enabling charging from host to device or device to host up to 60W at 20V/3A power profile.

### Features

- Extend USB-C interface over 4m (13 ft.)
- Support USB 3.2 Gen 2 up to 10Gbps
- Backward compatible with lower generation USB 3.2 Gen 1 5Gbps, and USB 2.0/1.1
- Support 2-Lane DP Alt-mode with HBR3 up to 8.1Gbps per lane, up to one display 4K@60Hz, or two 4K@30Hz
- Bidirectional USB PD 3.0 support up to 20V/3A\*
- No driver needed for Windows, MAC, and Linux

*\*Do not use this cable with 240W USB-C EPR charger or dock*

### Product P/N and Descriptions

PN	Configuration	Length
ULK10G-CCEX04M	C/M to C/F	4m (13.1 ft.)

## Specification

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### USB

USB 3.2 Gen 2	up to 10Gbps
USB 3.0/USB 3.1 Gen 1	Support 5Gbps
USB 2.0/1.1	Backward compatible
Thunderbolt 3/USB4 Host	Compatible

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### DISPLAY

2-Lane DP v1.4 (HBR3 source & device)	Up to one 4K@60Hz, or two 4K@30Hz, or two 2K@60Hz
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### POWER DELIVERY

USB Power Delivery	USB PD 3.0 (via Bus w/o additional power input) From both host to device and device to host
Voltage Profile	20V, 15V, 9V, 5V <b>Warning: Do not use this cable with 240W USB-C EPR charger</b>
Current Profile	Up to 3A

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### MECHANICAL

Cable Diameter	6.4 +/- 0.1 mm (0.27 in.)
Cable Jacket	PVC, Black
USB Connector on Host Side	USB-C, Male, Aqua
USB Connector on Device Side	USB-C, Female

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### ENVIRONMENTAL

Operating Temperature	0°C to 40 °C (32°F to 104°F)
Operating Humidity	20% to 80% relative humidity, non-condensing

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### COMPLIANCE AND COMPATIBILITY

EMC	FCC , CE
Environmental	RoHS
Flammability	VW-1

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### SUPPORT

Warranty	1-year Manufacture Warranty
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