

USB4 40Gbps Cable (M/M) - USB-C, 8K 60 Hz, 100W PD Charging, Black, 31 in. (0.8 m)

MODEL NUMBER: U520-31N



USB4 40Gbps cable connects 2 devices with USB-C or Thunderbolt 3 ports, including 4K/8K displays, laptops, smartphones, docks and PCs.

Features

USB4 Cable Streams Video and Downloads Data at 40 Gbps, 8x Faster Than USB 3.0

This USB4 40Gbps cable (M/M) transmits across two bidirectional lanes, supporting speeds up to 40 Gbps, which is eight times faster than USB 3.0. Unlike previous USB generations, the USB4 40Gbps cable has the ability to allocate resources. Instead of splitting video and data equally between its two lanes, the U520-31N allows the connected display as much bandwidth as it needs, while saving all remaining bandwidth for high-speed data transfers. This makes the cable perfectly suited for 4K or 8K video streaming and editing, as well as transferring large RAW video or CAD files.

Supports DisplayPort Alternate Mode for Unidirectional 80 Gbps Video Connections

By connecting a 4K or 8K display to a host device that supports DisplayPort Alt Mode 1.4, this cable can use both high-speed lanes to transmit 4K or even 8K video at 60 Hz in one direction at 80 Gbps maximum speed. The U520-31N supports a single 8K display or dual 4K displays at 60 Hz.

Backward Compatible with Legacy USB and Thunderbolt 3 Devices

Though both connected devices must support USB4 40Gbps for the cable to reach its full potential, the U520-31N is backward compatible with USB 3.x, USB 2.0 and Thunderbolt 3 devices. It connects two USB-C devices, including MacBooks, Chromebooks, Windows laptops, smartphones, external hard drives, tablets, docking stations and wall chargers. It is compatible with all USB-C and Thunderbolt 3 devices, enabling use in existing installations while preparing for future upgrades.

PD Charging Cable Keeps the Connected Notebook, Tablet or Other Device at Capacity

The U520-31N supports Power Delivery (PD) 3.0 charging of the connected PD Charging-compliant device. It carries power output up to 20V 5A (100W), which is sufficient for fast-charging and powering your MacBook or other mobile device.

Reversible USB-C Connectors Attach in Either Direction

Unlike traditional USB cables that connect in only one direction, the reversible USB-C male connectors plug into a USB-C or Thunderbolt 3 port in either direction for an instant connection every time.

Specifications

Highlights

- Transfers large video and data files at speeds up to 40 Gbps – 8x faster than USB 3.0
- Converts audio/video signals from sources supporting USB-C DisplayPort Alt Mode
- Supports single 8K display or dual 4K displays at 60 Hz up to 80 Gbps
- PD Charging cable supports 100W power output for charging high-powered devices
- Backward compatible with USB 3.x, USB 2.0 and Thunderbolt 3 devices

Applications

- Create a 4K or 8K A/V connection between a computer or media center and a monitor for editing video, watching movies or gaming
- Transfer data between an external hard drive and your laptop or PC at speeds up to 40 Gbps
- Charge and power your MacBook Pro, Windows laptop or other USB-C or Thunderbolt 3 device from a USB-C wall charger
- Connect your laptop to a docking station or hub with a USB-C or Thunderbolt 3 port

System Requirements

Devices with USB-C or Thunderbolt 3 ports (USB4 40Gbps compatibility required to achieve USB4 40Gbps performance)

Package Includes

U520-31N USB4 40Gbps USB-C Cable (M/M), 31 in. (0.8 m)

OVERVIEW	
UPC Code	037332261359
Technology	USB4
Cable Type	Passive
VIDEO	
Supported Resolutions	3840x2160 (4K); 7680x4320 (8K)
CHARGING	
Total Charging Amps	5
Total Charging Watts	100
Standards	PD 3.0
PHYSICAL	
Cable Jacket Color	Black
Cable Jacket Material	TPE
Cable Jacket Rating	VW-1
Cable Outer Diameter (OD)	5.0MM
Cable Length (ft.)	2.6
Cable Length (m)	0.79
Cable Length (in.)	31.5
Shipping Weight (kg)	0.00
Unit Dimensions (hwd / in.)	0.190 x 31.500 x 0.190
Unit Packaging Type	Polybag
ENVIRONMENTAL	
Operating Temperature Range	14° to 140°F (-10° to 60°C)
Storage Temperature Range	-4° to 158°F (-20° to 70°C)
Operating Humidity Range	10% to 85%, Non-Condensing
Storage Humidity Range	10% to 85%, Non-Condensing
Power Provided to Connected Device(s)	100W (20V/5A)
CONNECTIONS	
Side A - Connector 1	USB C (MALE)
Side B - Connector 1	USB C (MALE)
Connector Plating	Nickel

Contact Plating	Gold
Connector Style	Straight
FEATURES & SPECIFICATIONS	
USB Specification	USB4 (up to 40 Gbps)
STANDARDS & COMPLIANCE	
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty