USB4 20Gbps Cable (M/M) - USB-C, 4K 60 Hz, 240W PD Charging, White, 2 m (6.6 ft.)

MODEL NUMBER: **U521-1P0M-WH20G**







USB4 20Gbps cable connects 2 devices with USB-C or Thunderbolt 3 ports, including 4K displays, laptops, smartphones, docks and PCs.

Features

USB4 Cable Streams Video and Processes Data at 20 Gbps, 4x Faster Than USB 3.0
This USB4 20Gbps cable (M/M) transmits across two bidirectional lanes, supporting speeds up to 20 Gbps, which is four times faster than USB 3.0/3.1/3.2. Unlike previous USB generations, the USB4 20Gbps cable has the ability to allocate resources. Instead of splitting video and data equally between its two lanes, the U521-1P0M-WH20G 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 video streaming and editing.

Supports DisplayPort Alternate Mode for Unidirectional 20 Gbps Video Connections
By connecting a 4K display to a host device that supports DisplayPort Alt Mode 1.4, this cable can use both high-speed lanes to transmit 4K video at 60 Hz in one direction at 20 Gbps maximum speed with 24-bit True Color, HDR and 4:4:4 chroma subsampling.

Backward Compatible with Legacy USB and Thunderbolt 3 Devices
Though both connected devices must support USB4 20Gbps for the cable to reach its full potential, the U521-1P0M-WH20G 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, Kindles, game consoles, smartphones, external storage devices, 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, Laptop or Other Device at Capacity
The U521-1P0M-WH20G supports Power Delivery (PD) 3.1 charging of the connected PD Charging-compliant device. It carries power output up to 48V 5A (240W), which is sufficient for fast-charging and powering your MacBook or other mobile device, including the latest iPhone and other smartphones with a USB-C connector.

USB-IF Certification Ensures Rigorous Testing and Top-of-the-Line Performance
This cable meets the high standards of USB-IF (USB Implementers Forum, Inc.), a non-profit organization consisting of companies that developed the USB specification. Receiving USB-IF certification means the U521-1P0M-WH20G meets the industry's highest environmental, mechanical and electrical standards. It operates with your USB peripherals, adapters and cables with top efficiency and safety.

Highlights

- Transfers video and data files at speeds up to 20 Gbps - 4x faster than USB 3.0
- Converts audio/video signals from sources supporting USB-C DisplayPort Alt Mode
- Connects a single 4K/60 Hz display with 24-bit True Color, HDR and 4:4:4
- PD Charging cable supports 240W power output for charging high-powered devices
- Backward compatible with USB 3.x, USB 2.0 and legacy Thunderbolt 3 devices

System Requirements

- Devices with USB-C or Thunderbolt 3 ports (USB4 20Gbps compatibility required to achieve USB4 20Gbps performance)
- DP 1.4 Alt Mode required for maximum video output capability (4K/60Hz)
- 240W PD Charging output is supported, but the actual charging performance of a connected device is dictated by the maximum power draw of the device itself

Package Includes

U521-1P0M-WH20G USB4 20Gbps Cable (M/M), White, 2 m (6.6 ft.)

Specifications

OVERVIEW	
UPC Code	037332281166
Device Compatibility	Amazon Kindle; Chromebook; Computer; Laptop; Monitor/HDTV; Phone; Tablet; Video Game System
Technology	USB4
Country/Region	Global
Cable Type	Active
VIDEO	
Resolutions Supported	The U521-1P0M-WH20G is compatible with USB3.x/USB4/Thunderbolt hosts that support at least DisplayPort Alt Mode 1.4, up to DP 2.1, and can output video in resolutions up to 3840 x 2160 (4K x 2K) @ 60 Hz
Supported Resolutions	3840x2160 (4K)
Max Supported Video Resolution	3840 X 2160 @ 60HZ
Max Supported Color Depth	24-bit True Color
HDR Support	Yes
3D Video Supported	Yes
Chroma Sub Sampling	4:4:4
EDID Support	Yes
Bandwidth	40 Gbps; 80 Gbps (DP 2.0 cable)
DisplayPort Alt Mode	Yes
DSC Support	Yes
INPUT	
Maximum Input Amps	5.0
Maximum Input Watts	240
POWER	
USB Power Delivery (PD) Charging Support	Yes
USB Power Delivery (PD) Charging Specification	3.1
CONNECTIONS	
Side A - Connector 1	USB C (MALE)
Side B - Connector 1	USB C (MALE)
Connector Plating	Nickel
Contact Plating	Gold
Connector Style	Straight

Latching or Gripping Connector	No
Angled Connector	No
CHARGING	
Total Charging Amps	5
Total Charging Watts	240
Standards	PD 3.1
Compatible Devices	Chromebook; Laptop; Smartphone; Tablet; Video Game Console
PHYSICAL	
Color	White
Material of Construction	TPE
Cable Jacket Color	White
Connector Color	White
Cable Jacket Material	TPE
Cable Jacket Rating	VW-1
Cable Outer Diameter (OD)	5.0MM
Wire Gauge (AWG)	34/31/23
Cable Length (ft.)	6.56
Cable Length (m)	2.00
Cable Length (in.)	78.7
Shipping Dimensions (hwd / in.)	9.00 x 7.00 x 0.50
Shipping Dimensions (hwd / cm)	22.86 x 17.78 x 1.27
Shipping Weight (lbs.)	0.22
Shipping Weight (kg)	0.10
Unit Dimensions (hwd / in.)	9.000 x 7.000 x 0.500
Unit Packaging Type	Polybag
ENVIRONMENTAL	
Operating Temperature Range	32° to 113°F (0° to 45°C)
Storage Temperature Range	14° to 158°F (-10° to 70°C)
Operating Humidity Range	10% to 85%, Non-Condensing
Storage Humidity Range	5% to 90%, Non-Condensing
Power Provided to Connected Device(s)	240W (48V/5A)
FEATURES & SPECIFICATIONS	
USB Specification	USB4 (up to 20 Gbps)

Data Transfer Rate	20 Gbps
Antibacterial	No
IP68 Rated	No
Displayport Specification	1.4; 2.1
STANDARDS & COMPLIANCE	
Product Certifications	UL 94
Product Compliance	CE (Europe); FCC Part 15 Class B (USA); RoHS; UKCA; WEEE
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty

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