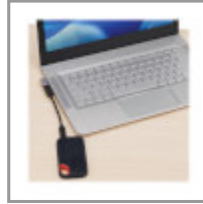


USB4 Right-Angle Adapter (M/F) - 8K 60 Hz or 4K 120 Hz Video, 40 Gbps Data, 240W PD Charging, Thunderbolt 4 Compatible

MODEL NUMBER: U521-000-F-RA



Turns your laptop's USB-C port 90 degrees to allow cable connections in a tight space in your office, remote or hybrid workspace.

Features

Space-Saving USB4 Adapter Connects a USB-C Cable at a Right Angle

The U521-000-F-RA converts a standard USB-C port to a low-profile 90-degree angle while preserving full USB4 (up to 40 Gbps) and Thunderbolt 4 host compatibility. The compact right-angle design enables closer placement to walls, rack panels, and mounting surfaces, and helps minimize cable strain in high traffic or space constrained deployments.

Maintains Full USB4 Functionality

Built for USB4 40 Gbps connections, this USB adapter supports high throughput data paths and tunneled DisplayPort signaling to ensure docks, NVMe enclosures, capture devices and other performance sensitive peripherals operate at intended bandwidths. The adapter is backward compatible with USB 3.2 and USB 2.0 specifications, so you can connect legacy devices. **Note:** Performance depends on the combined capabilities of the host, cable and device.

Supports 8K and High-Refresh 4K Video

When used with a DisplayPort 1.4 (HBR3) source and DSC-capable display, the U521-000-F-RA supports 8K at 60 Hz or 4K at 120 Hz. USB4 display tunneling ability makes it an ideal adapter for USB4/Thunderbolt docking stations, video conferencing equipment, gaming displays, and high resolution workflows. **Note:** DP Alt Mode at 8K/60 Hz or 4K/120 Hz typically uses all four DisplayPort lanes, reducing USB data fallback to USB 2.0. For simultaneous high bandwidth data and video, a USB4 host port is recommended.

5A Pass-Through Charging for Pro Laptops and Docks

The adapter supports up to 240W USB-C Power Delivery (PD 3.1 EPR) passthrough for quickly charging high-performance laptops and workstations when used with 5A EPR-capable charging cables and power adapters. It's universally compatible with USB-C PD charging devices and automatically negotiates down to PD 3.0 and below (<100W) for non-EPR equipment.

Ready to Use Right Out of the Package

The plug-and-play adapter preserves USB4 signals across a wide range of laptops, computers, cables, hard drives, displays and other compatible devices, including the MacBook Pro, iPad, iPhone, Precision and ThinkPad. It requires no drivers or external power. It is small enough to carry in your pocket, purse,

Highlights

- Connects smartphones, media servers and other USB devices to your computer
- Low-profile right-angle design helps reduce wear and tear on USB cables
- Supports USB4 up to 40 Gbps and Thunderbolt 4 for connecting data-intensive devices
- Supports 8K 60 Hz or 4K 120 Hz with DisplayPort 1.4 Alt Mode video passthrough
- Plug-and-play operation with no software required for easy, immediate installation

System Requirements

- 240W charging requires a PD 3.1 EPR (Extended Power Range) charger and device and a 5A EPR-rated (E-Marker) USB-C cable. Otherwise, charging is limited to 100W or less.
- 8K/60 Hz or 4K/120 Hz video requires a host capable of DP 1.4 Alt Mode with DSC (HBR3), DSC-capable display and matching cabling.
- When using 8K/60 or 4K/120 through regular DP Alt Mode, USB data speeds may drop to USB 2.0. For full video + data performance at the same time, use a USB4 host port.

Package Includes

U521-000-F-RA USB4 Right-Angle Adapter (M/F)



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briefcase or laptop bag, so you'll always be ready to connect wherever you are.

Specifications

OVERVIEW	
UPC Code	037332293435
Product Type	USB-C Adapter
Device Compatibility	Amazon Kindle; Chromebook; Computer; Laptop; Monitor/HDTV; Phone; Tablet; Video Game System
Technology	USB4
Country/Region	Global
Host Connector	USB C (MALE)
VIDEO	
Video Input	USB C (MALE)
Video Output	USB C (FEMALE)
Number of Monitors Supported	1
Video Ports	(1) USB C (FEMALE)
Video Ports Details	DisplayPort 1.2; DisplayPort 1.4
Supported Resolutions	1280x720 (720p); 1920x1080 (1080p); 3840x2160 (4K); 7680x4320 (8K)
Max Supported Video Resolution	8K 60HZ
Extended Mode	Yes
Mirror Mode	Yes
Max Supported Color Depth	30-bit Deep Color
HDR Support	Yes
3D Video Supported	Yes
Chroma Sub Sampling	4:2:0
EDID Support	No
Signal Transmission	Unidirectional
Bandwidth	40 Gbps
DisplayPort Alt Mode	Yes
DSC Support	Yes
DATA	
Data Ports	USB C (FEMALE)
Data Ports Details	(1) USB-C - USB4 (40 Gbps)
INPUT	



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Maximum Input Amps	5
Maximum Input Watts	240
Right-Angle Plug	Yes
Bus Powered	Yes
POWER	
USB Power Delivery (PD) Charging Support	Yes
USB Power Delivery (PD) Charging Specification	3.1
CONNECTIONS	
Number of Ports	1
Side A - Connector 1	USB C (MALE)
Side B - Connector 1	USB C (FEMALE)
Connector Plating	Nickel
Contact Plating	Nickel
Connector Type	Molded
Connector Style	Angled
CHARGING	
Number of Charging Ports	1
Total Charging Amps	5A
Total Charging Watts	240
Charging Port Type	USB C (MALE)
Charging Ports / Amps	5A
Overcharge Protection	No
Compatible Devices	Chromebook; Laptop; Smartphone; Tablet
PHYSICAL	
Color	Silver
Material of Construction	TPE + ALUMINUM
Total Number of Ports	1
Shipping Dimensions (hwd / in.)	6.00 x 4.00 x 0.50
Shipping Dimensions (hwd / cm)	15.24 x 10.16 x 1.27
Shipping Weight (lbs.)	0.13
Shipping Weight (kg)	0.06
Unit Dimensions (hwd / in.)	0.310 x 0.630 x 1.100
Unit Dimensions (hwd / cm)	.78 x 16 x 2.8



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Unit Dimensions (hwd / mm)	7.8 x 16 x 28
Unit Packaging Type	Polybag
Unit Weight (kg)	0
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 40 Gbps)
Data Transfer Rate	40 Gbps
MST Support	No
Displayport Specification	1.4
Driver Required	No
STANDARDS & COMPLIANCE	
Product Certifications	EN 55024; EN 55032; UL 94
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty

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