

# PSU-MIDSPAN-USB-1-C-KIT

## Single Channel Midspan USB Power Injector with Cables



- Powers one USB-C® host for a maximum of 100 W
- Supports USB 3.2 data pass-through up to 10Gbps
- Supports USB 2.0 data pass-through up to 480Mbps
- DisplayPort™ 1.4 Alternative Mode (DP Alt Mode) pass-through compatible
- Mixed Mode functionality: DisplayPort and USB 3.2 data available simultaneously
- No configuration or programming required
- Attachable to a Crestron FlipTop™ cable enclosure

The PSU-MIDSPAN-USB-1 single point, midspan power injector provides data and video pass-through for a USB-C device. The PSU-MIDSPAN-USB-1 can supply up to 100 W to the host while also offering high speed data transfers of 10Gbps (USB 3.2) and 480Mbps (USB 2.0). It also supports DP Alt Mode at a maximum rate of HBR2 (4k30 in mixed and 4k60 in full DP Alt Mode). The PSU-MIDSPAN-USB-1-C-KIT includes the PSU-MIDSPAN-USB-1, as well as [CBL-USB3G2-C-C-3](#) and [CBL-USB3G1-C-C-6](#) cables.

### Midspan USB-C Power Injector

The PSU-MIDSPAN-USB-1 is designed to be implemented as a midspan USB-C power injector to a host. USB-C charging is available at 5, 9 or 15V at 3A, or 20V at 3 or 5A. [CBL-USB3G2-C-C-3](#) or [CBL-USB3G1-C-C-6](#) cables (included) must be used from the PSU-MIDSPAN-USB-1 to the host to meet USB 3.2 requirements and achieve 100 W power delivery.

### USB Data Pass-Through

The PSU-MIDSPAN-USB-1 serves as a data and video pass-through for USB 2.0, USB 3.2, and DP Alt Mode. It supports high speed USB data transfer rates of 480Mbps via USB 2.0 and 10Gbps via USB 3.2. DP Alt Mode is supported with video resolutions of HBR2 at 4k30 in mixed mode, and 4k60 in full DP Alt Mode.

**NOTE:** The PSU-MIDSPAN-USB-1 has a pass-through connection and does not count as a tier in USB network topology.

### Mounting Options

The PSU-MIDSPAN-USB-1 can be attached to a [Crestron FlipTop](#) cable enclosure, mounted on a wall or surface using the included bracket, or used freestanding.

## Specifications

### Connectors

<b>G</b>	(1) M3 x 0.5 mm screw; Chassis ground lug
<b>24V 6.0A</b>	1) DC power connector; 24VDC power input (power pack included)
<b>TO DEVICE</b>	(1) USB Type-C® connector, female; Digital video/audio output using DP Alt Mode; USB 3.2 Gen2 data support (USB 2.0 High Speed 480Mbps is also supported); Power 5V, 7.5 W
<b>CONTACTS</b>	(1) 2-pin 3.5 mm detachable terminal block; Normally open
<b>TO HOST<sup>1</sup></b>	(1) USB Type-C® connector, female; Digital video/audio input using DP Alt Mode; <sup>2</sup> USB 3.2 Gen2 data support (USB 2.0 High Speed 480Mbps is also supported); Fixed SPR power injection up to 100 W (Standard Power Range)
<b>SERVICE</b>	(1) USB 2.0 Type-A connector, female; Used for firmware updating

### Controls and Indicators

<b>PWR</b>	(1) Two-color LED; Green indicates that the device is operational; Amber indicates that the device is powering on; Blinking amber and green indicates that a firmware update is in progress.
<b>Contact Closure</b>	(1) Push button used to close contacts and trigger a control processor
<b>RESET</b>	(1) Recessed push button for hardware reset

### Video

<b>Maximum Resolutions (DP ALT Mode Video)</b>	DP Alt Mode mixed: Up to 4k30 (v1.4 / HBR2 max); DP Alt Mode full: Up to 4k60 (v1.4 / HBR2 max)
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### Power

<b>Power Pack (Included)</b>	Input: 100 - 240VAC Output: 24VDC 6A Model: PW-2460DU
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### Environmental

<b>Temperature</b>	32° to 104°F (0° to 40°C)
<b>Humidity</b>	10% to 90% RH (noncondensing)

### Construction

<b>Chassis</b>	Metal, black finish, ventilation top and sides
<b>Mounting</b>	Freestanding, wall or table surface mount (with included mounting bracket), or attach to a <a href="#">Crestron FlipTop</a> cable enclosure

### Dimensions

<b>Height</b>	1.00 in. (25 mm)
<b>Width</b>	4.41 in. (112 mm)
<b>Depth</b>	5.75 in. (146 mm)

### Weight

0.8 lb (0.4 kg)

### Compliance

#### Regulatory Model: M202228002

FCC Part 15 Class B, IC Class B, CE, UL® Listed for US and Canada/Intertek® Listed for US and Canada

### Model

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### Included Accessories

#### CBL-USB3G2-C-C-3

USB Cable, USB-C® Male to USB-C Male, USB 3.2 Gen 2 (10 Gbps), DisplayPort™ Alt Mode, 100 W, 3 ft (0.9 m)

#### CBL-USB3G1-C-C-6

USB Cable, USB-C® Male to USB-C Male, USB 3.2 Gen 1 (5 Gbps), DisplayPort™ Alt Mode, 100 W, 6 ft (1.8 m)

### Available Accessories

For a list of available accessories, visit the [PSU-MIDSPAN-USB-1-C-KIT](#) product page.

### Notes:

1. Some laptops and USB-C cables may not support 100W charging or DP Alt Mode pass-through. For more information, refer to the [OLH Article 000003115](#).
2. Host laptop must support DP Alt Mode on the USB-C charging port to transmit video.

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/How-To-Buy/Find-a-Representative](http://www.crestron.com/How-To-Buy/Find-a-Representative) or contact us for additional information by visiting [www.crestron.com/contact/our-locations](http://www.crestron.com/contact/our-locations) for your local contact.

The original language version of this document is U.S. English. All other languages are a translation of the original document.

The product warranty can be found at [www.crestron.com/warranty](http://www.crestron.com/warranty).

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