

## USB-EXT-2-LOCAL-1G/USB-EXT-2-REMOTE-1G

### USB over Category Cable Extender Wall Plates

- Provide reliable, high-speed USB signal extension for most USB 1.1 or 2.0 devices<sup>1</sup>
- Extend USB signals up to 100 m (330 ft) over CAT5e (or better) twisted-pair cable<sup>2</sup>
- Enable transparent point-to-point USB extension without any configuration or programming
- Compatible with the USB over Twisted Pair Extender (USB-EXT-2)
- Mount in a North American, unobstructed 1-gang electrical box (not included)
- Plug-and-play compatible with most types of USB 1.1 and 2.0 devices and hosts<sup>1</sup>
- No drivers required with Windows®, macOS®, or Linux® operating systems<sup>1</sup>
- Transport USB over CAT5e at speeds up to 480 Mbps
- Mass Storage Acceleration maximizes USB 2.0 bulk transfer speeds
- Expandable using up to 4 USB hubs (not included)
- Provide 2 USB Type A ports for USB devices
- 100-240 VAC power supply (included)

The Crestron® USB over Category Cable Extender Wall Plates (USB-EXT-2-LOCAL-1G and USB-EXT-2-REMOTE-1G) deliver reliable USB signal extension for USB 1.1 and 2.0 devices in a conference room, classroom, auditorium, command center, medical facility, public space, or residence. Without requiring any special configuration or drivers, the USB extenders enable wire runs up to 100 m (330 ft) over a single CAT5e (or better) twisted-pair cable.<sup>2</sup>

The USB extenders are compatible with USB 1.1 and High-Speed USB 2.0, supporting most USB device types including keyboards and mice, whiteboards, game controllers, cameras, audio devices, mobile devices, printers, flash drives, hard drives, and hubs. It is plug-and-play compatible with computers running Windows®, macOS®, and Linux® operating systems.<sup>1</sup>

Two types of wall plate USB extenders are available:

- USB-EXT-2-REMOTE-1G - Provides connectivity for up to 2 USB devices (keyboards, whiteboards, mobile devices, etc.) at one location
- USB-EXT-2-LOCAL-1G - Provides connectivity for a single USB host (computer, media server, codec, etc.)

Linking the two extenders requires one run of CAT5e shielded twisted-pair cable.<sup>2</sup> Both extenders are powered by a single 100-240 VAC power supply, which can be connected at either end to an AC power receptacle.<sup>3</sup>

The USB-EXT-2-LOCAL-1G and USB-EXT-2-REMOTE-1G mount in a North American, unobstructed 1-gang electrical box and are also compatible with the USB over Twisted Pair Extender ([USB-EXT-2](#)).

**NOTE:** The USB-EXT-2-LOCAL-1G and USB-EXT-2-REMOTE-1G are simple point-to-point USB signal extenders. They do not switch or route USB signals, and do not connect to a network. For KVM and other applications routing USB signals over an Ethernet network, please refer to the USB over Category Cable Extender Wall Plates ([USB-NX2-LOCAL-1G](#) and [USB-NX2-REMOTE-1G](#)) or the USB over Ethernet Extenders with Routing ([USB-EXT-DM-LOCAL](#) and [USB-EXT-DM-REMOTE](#)).

## USB-EXT-2-LOCAL-1G/USB-EXT-2-REMOTE-1G

### USB over Category Cable Extender Wall Plates

#### Specifications

##### Communications

<b>Link</b>	USB extension up to 100 m (330 ft) over solid-core CAT5e (or better) shielded twisted pair (STP) cable <sup>2</sup>
<b>USB Device Support</b>	USB 1.1 and 2.0 compatible including mass storage and isochronous devices <sup>1</sup>
<b>USB Hub Support</b>	Any signal chain may include up to 4 USB hubs plus one USB-EXT-2-LOCAL-1G and one USB-EXT-2-REMOTE-1G <sup>1</sup>
<b>Maximum USB Devices</b>	30 USB devices, or 4 USB hubs with 26 USB devices
<b>Host Computer OS Support</b>	Windows®, macOS®, and Linux® operating systems
<b>USB Throughput</b>	USB 2.0 up to 480 Mbps, USB 1.1 up to 12 Mbps

##### Connectors – Local extender

<b>24 V 0.75A</b>	(1) 2-pin 3.5 mm detachable terminal block; 24 VDC power input; <a href="#">PW-2407WUL</a> power supply included <sup>3</sup>
<b>Config</b>	For factory use only
<b>Link</b>	(1) 8-pin RJ45 connector, female; Connects directly to a Remote extender <sup>2</sup>
<b>Programming USB</b>	(1) 5-pin port not intended for use (1) USB Type B connector, female USB 2.0 device port for connection to the USB host computer, media server, game console, annotator, codec, etc.

##### Connectors – Remote extender

<b>24 V 0.75A</b>	(1) 2-pin 3.5 mm detachable terminal block; 24 VDC power input; <a href="#">PW-2407WUL</a> power supply included <sup>3</sup>
<b>Config</b>	For factory use only
<b>Link</b>	(1) 8-pin RJ45 connector, female; Connects to Link port on the Local extender <sup>2</sup>
<b>Programming USB</b>	(1) 5-pin port not intended for use (2) USB Type A connectors, female; USB 2.0 host ports for connection of USB devices such as mice, keyboards, and other USB devices <sup>1</sup> Available USB Power: 1 Amp maximum per port, 1.5 A maximum total

##### Indicators – Local extender

<b>Activity</b>	(1) Amber LED, indicates data activity on the
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##### Link interface

<b>Host</b>	(1) Green LED, indicates a valid connection to the USB host
<b>Link</b>	(1) Green LED, indicates a valid Link connection to the Remote extender
<b>Mode</b>	(1) Recessed pushbutton (for factory use only)
<b>Power</b>	(1) Blue LED, indicates operating power is supplied via the local power supply or the Link connection <sup>3</sup>

##### Indicators – Remote extender

<b>Activity</b>	(1) Amber LED, indicates data activity on the Link interface
<b>Host</b>	(1) Green LED, indicates a valid connection to the USB host at the Local extender
<b>Link</b>	(1) Green LED, indicates a valid Link connection to the Local extender
<b>Mode</b>	(1) Recessed pushbutton (for factory use only)
<b>Power</b>	(1) Blue LED, indicates operating power is supplied via the local power supply or the Link connection <sup>3</sup>

##### Power

<b>Power Supply (included)</b>	Input: 100-240 VAC, 50/60 Hz; Output: 0.75 A @ 24 VDC Model: <a href="#">PW-2407WUL</a>
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##### Environmental

<b>Temperature</b>	32° to 122° F (0° to 50° C)
<b>Humidity</b>	20% to 80% RH (non-condensing)

##### Enclosure

<b>Construction</b>	Metal, black finish with white or black polycarbonate label overlay
<b>Flush Wall Mount</b>	Mounts in a North American unobstructed 1-gang electrical box (not included); (1) white or black <a href="#">FP-G1</a> series decorator style faceplate included

##### Dimensions

<b>Height</b>	4.12 in. (104 mm)
<b>Width</b>	1.72 in. (22 mm)
<b>Depth</b>	1.95 in. (50 mm)

##### Compliance

IC, FCC Part 15 Class B digital device
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## USB-EXT-2-LOCAL-1G/USB-EXT-2-REMOTE-1G

### USB over Category Cable Extender Wall Plates

#### Models

**USB-EXT-2-LOCAL-1G-W**

USB over Category Cable Extender Wall Plate, Local, White

**USB-EXT-2-LOCAL-1G-B**

USB over Category Cable Extender Wall Plate, Local, Black

**USB-EXT-2-REMOTE-1G-W**

USB over Category Cable Extender Wall Plate, Remote, White

**USB-EXT-2-REMOTE-1G-B**

USB over Category Cable Extender Wall Plate, Remote, Black

#### Included Accessories

**PW-2407WUL**

Wall Mount Power Pack, 24 VDC, 0.75 A, Flying Leads, Universal

**FP-G1-B-T**

Decorator Style Faceplate, 1-Gang, Black Textured

**FP-G1-W-T**

Decorator Style Faceplate, 1-Gang, White Textured

#### Notes:

1. The USB extender is engineered to deliver maximum compatibility with the widest possible range of devices. Crestron does not guarantee that all USB devices or hosts are compatible with the USB extender. Certain USB devices may require additional driver installation if not directly supported by the computer's operating system.
2. For the Link connection between the Local and Remote extenders, as a minimum, use high quality, solid core CAT5e (or better) unshielded twisted pair (UTP) cable. To comply with the European Directive (CE), Crestron® recommends using high-quality, solid core CAT5e (or better) shielded twisted pair (STP) cable. If connecting either extender through a wall jack, a stranded patch cord may be used. The maximum aggregate cable length is 330 ft (100 m) between units. The minimum cable length is 6 ft (1.8 m). Do not connect the Link ports to an Ethernet LAN or any other network or device, including the USB-EXT-DM-REMOTE, USB-EXT-DM-LOCAL, USB-NX2-REMOTE-1G, USB-NX2-LOCAL-1G.
3. The power supply must be connected to either the Local or Remote extender, not both. Power is passed to the secondary extender via the Link connection.

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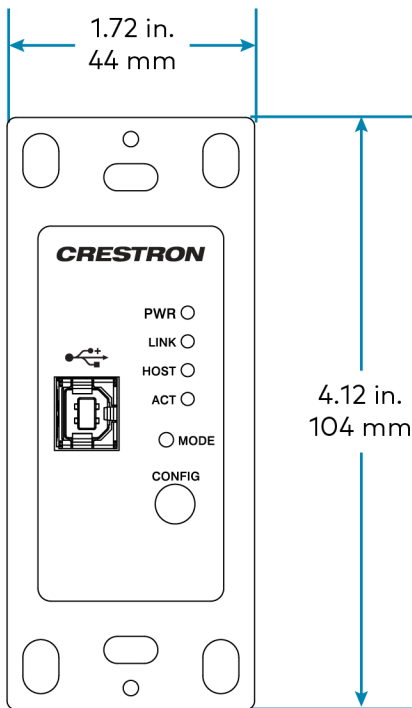
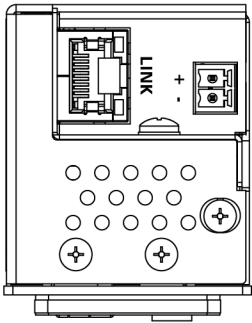
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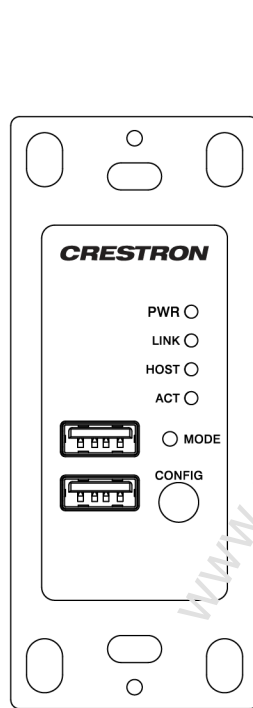
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## USB-EXT-2-LOCAL-1G/USB-EXT-2-REMOTE-1G

### USB over Category Cable Extender Wall Plates



USB-EXT-2-LOCAL-1G



USB-EXT-2-REMOTE-1G

