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[1]*
- *Compatible with Crestron® USB over Twisted Pair Extender (USB-EXT-2)*
- *Extend USB signals up to 330 ft (100 m) over CAT5e (or better) twisted-pair cable[2]*
- *100-240 VAC power supply (included with the Remote extender)*
- *Enable transparent point-to-point USB extension without any configuration or programming*
- *Mount in an unobstructed North American 1-gang electrical box (not included)*
- *Plug-and-play compatible with most types of USB 1.1 and 2.0 devices and hosts[1]*
- *No drivers required with Windows®, macOS®, or Linux® operating systems[1]*
- *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)*
- *USB-EXT-2-REMOTE-1G provides 2 USB Type A ports*

The Crestron® (USB-EXT-2-LOCAL-1G and USB-EXT-2-REMOTE-1G) deliver reliable, high-speed 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 330 ft (100 m) over a single CAT5e (or better) shielded twisted-pair (STP) cable. The USB extenders support most USB device types and are plug-and-play compatible with computers running Windows®, macOS®, and Linux® operating systems.

- USB-EXT-2-REMOTE-1G - Provides connectivity for up to two 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.[2] Both extenders are powered by a single 100-240 VAC power supply, which can be connected at either end to an AC power receptacle.[3] The USB-EXT-2-LOCAL-1G and USB-EXT-2-REMOTE-1G mount in an unobstructed North American 1-gang electrical box and are also compatible with the USB over Twisted Pair Extender (USB-EXT-2)

NOTES:

- USB-EXT-2-LOCAL-1G and USB-EXT-2-REMOTE-1G power sources cannot power USB-EXT-2-LOCAL and USB-EXT-2-REMOTE.
- 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).[2]

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Specifications

Communications

LINK	USB extension up to 330 ft (100 m) over solid-core CAT5e (or better) shielded twisted pair (STP) cable[2]
USB Device Support	USB 1.0/1.1 and 2.0 compatible including mass storage and isochronous devices[1]
USB Hub Support	Any signal chain may include up to 4 USB hubs plus one USB-EXT-2-LOCAL-1G and one USB-EXT-2-REMOTE-1G[1]
Maximum USB Devices	30 USB devices, or 4 USB hubs with 26 USB devices
Host Computer OS Support	Windows®, macOS®, and Linux® operating systems
USB Throughput	USB 2.0 up to 480 Mbps, USB 1.1 up to 12 Mbps

Connectors – Local extender

24 V 0.75 A	(1) 2-pin 3.5 mm detachable terminal block; 24VDC power input; PW-2407WUL(power supply included with the Remote extender)[3]
CONFIG	For factory use only
LINK	(1) 8-pin RJ-45 connector, female; Connects directly to a Remote extender[2]
USB	(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

24 V 0.75 A	(1) 2-pin 3.5 mm detachable terminal block; 24VDC power input; PW-2407WUL (power supply included)[3]
CONFIG	For factory use only
LINK	(1) 8-pin RJ-45 connector, female; Connects to Link port on the Local extender[2]
USB	(2) USB Type A connectors, female; USB 2.0 host ports for connection of USB devices such as mice, keyboards, and other USB devices[1]

Indicators – Local extender

ACT	(1) Amber LED, indicates data activity the LINK
HOST	(1) Green LED, indicates a valid connection to the USB host
LINK	(1) Green LED, indicates a valid LINK connection to the Remote extender
PWR	(1) Blue LED, indicates operating power is supplied via the

Indicators – Remote extender

ACT	(1) Amber LED, indicates data activity the LINK
HOST	(1) Green LED, indicates a valid connection to the USB host
LINK	(1) Green LED, indicates a valid LINK connection to the Remote extender
PWR	(1) Blue LED, indicates operating power is supplied via the

Power

USB-EXT-2-LOCAL-1G	USB bus power; Model: PW-2407WUL; (power supply included with Remote extender)[3]; An optional ferrite bead is provided to reduce or prevent EMI (electromagnetic interference).[3]
USB-EXT-2-REMOTE-1G	Input: 100-240VAC, 50/60 Hz; Output: 0.75A @ 24VDC[3]; Model: PW-2407WUL (power supply included)[3]; An optional ferrite bead is provided to reduce or prevent EMI (electromagnetic interference)[3].

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Environmental

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

Enclosure

Construction	Metal, black finish with white or black polycarbonate label overlay
Flush Wall Mount	Mounts in an unobstructed North American 1-gang electrical box (not included); FP-G1 series decorator style faceplate (not included)

Dimensions

Height	4.12 in. (105 mm)
Width	1.72 in. (44 mm)
Depth	1.95 in. (50 mm)

Compliance

IC, FCC Part 15 Class B digital device

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

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 a direct link connection (not on a network) 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 any other USB extender, including the .
3. Use the power supply included with the Remote extender on the Remote extender. The power supply may be used on the Local extender only when the LINK port on the Local extender is connected to the LINK port on the Remote extender. If the power supply is connected to the Local extender and the LINK port is connected to a network device (not recommended), the network device may become overloaded and damaged.Power is passed to the secondary extender via the LINK connection. A ferrite bead is provided to reduce or prevent EMI (electromagnetic interference). Crestron recommends installing this ferrite bead on the included 24 VDC power supply cable close to the device.When using a power source other than PoE, Crestron recommends installing this ferrite bead on the power supply cable close to the device.

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 or by calling 855-263-8754.
This product is covered under the Crestron standard limited warranty. Refer to www.crestron.com/warranty for full details.
The specific patents that cover Crestron products are listed online at patents.crestron.com.
Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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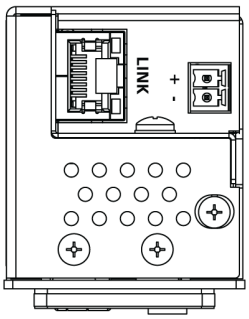
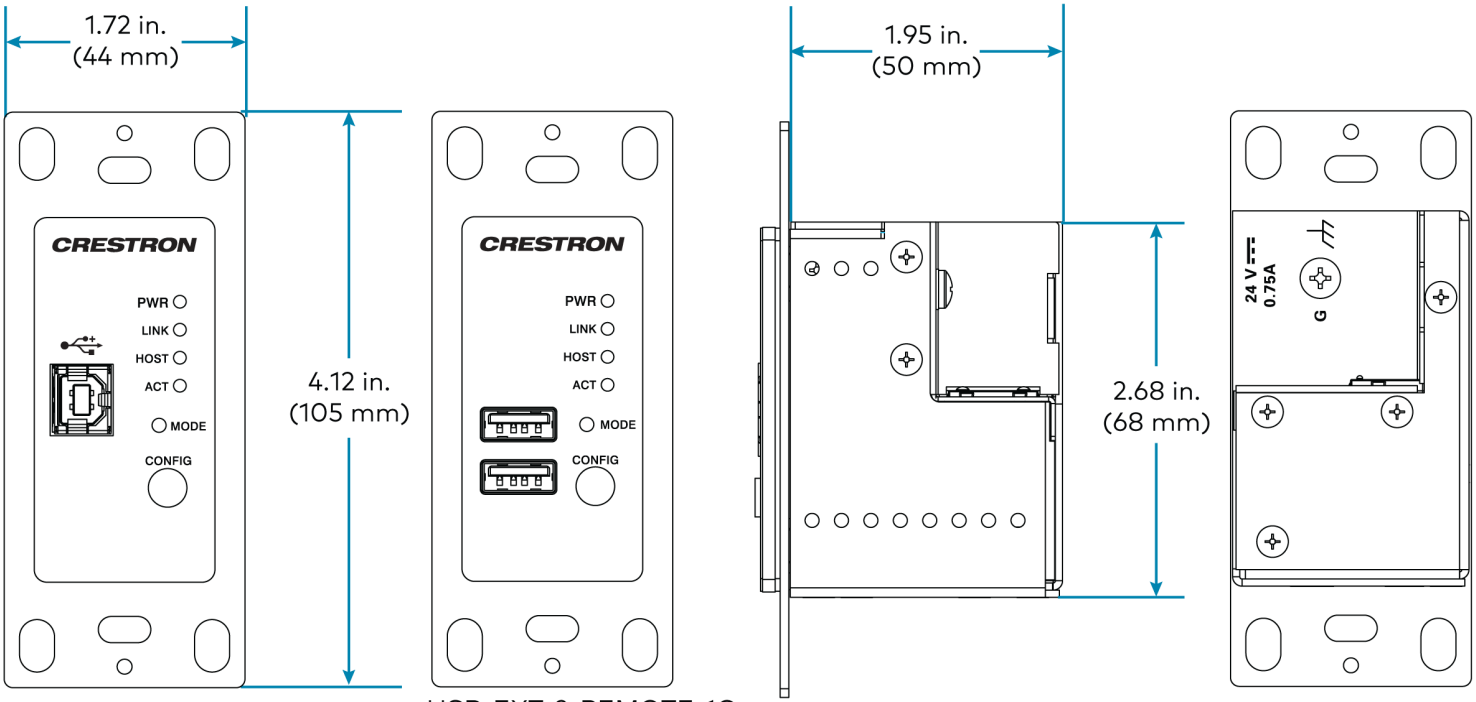
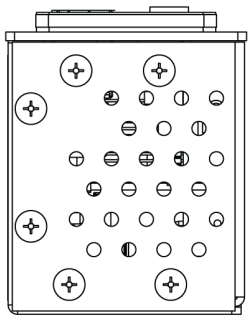




USB-EXT-2-LOCAL-1G

USB-EXT-2-REMOTE-1G



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