USB-EXT-3S-LOCAL-1G

USB 3.2 Extender over CAT 6a/7 Cable, Local, 1-Gang



- *Point-to-point connectivity for USB signal extension over CAT6a/CAT7 up to 330 ft (100 m)*
- *USB 3.2 Gen 1 data rate up to 5 Gbps*
- *USB Type-A and USB Type-C® connections supported*
- *Supports USB 3.2, 2.0, and 1.1 signals simultaneously*
- *Supports all USB transfer types: control, interrupt, isochronous (ISO), and bulk*
- *RS-232 serial pass-through port*
- *Plug-and-play functionality without the need for additional drivers*
- *Compatibility with Windows®, macOS®, Linux®, and Chrome OS™ operating systems*
- *TAA compliant*
- *Mountable in a standard US electrical box*
- *Swappable black and white front panels included*
- *Compatible with FP-G1 decorator-style face plates (sold separately)*
- *20VDC power pack PW-2030DUL (sold separately) required when paired with USB-EXT-3S-REMOTE-1G*

The USB-EXT-3S-LOCAL-1G is a USB3.2 Gen 1 extender wall plate with connectivity for a single USB host such as a computer. The extender supports plug-and-play functionality with hosts running Windows®, macOS®, Linux®, or Chrome OS™ operating systems. No additional driver installation is required.[1]

USB-EXT-3S endpoints fully support USB 3.2 isochronous (ISO) transport, which offers enhanced support for UC cameras and video capture devices. ISO traffic is guaranteed a certain percentage of all USB bandwidth. Other connected USB devices, such as bulk storage devices, will not decrease the performance of the ISO stream, resulting in high-quality video performance.

The wall plate ships with both a white and black front panel. The white panel is installed by default and can be swapped for the black panel during installation. FP-G1 decorator faceplates are sold separately to cover the electrical box and wall plate housing.[2]

An RS-232 pass-through port is included on each USB-EXT-3S endpoint to transmit serial data from a control system over the **LINK** connection.

Specifications

Communications

LINK	Proprietary link for point-to-point connection between USB-EXT-3S endpoints
USB Speeds	USB 3.2 Gen 1 up to 5 Gbps; USB 2.0 up to 480 Mbps; USB 1.1 up to 12 Mbps
RS-232	Bidirectional serial pass-through

Connectors

20V 3.0A	(1) 2-pin DC power connector; 20VDC power input; PW-2030DUL power supply sold separately[5]
TO HOST USB3	(1) USB Type-C® connector, female; USB 3.2 Gen 1 host port for connection to computer, media server, game console, or other USB host;[1] Backward compatibility with USB 2.0 and USB 1.1
LINK	(1) 8-pin RJ-45 connector, female; Connects directly to **LINK** port on USB-EXT-3S-REMOTE;[4] Up to 330 ft (100 m) over CAT6a/7 cable;[1] If not powered locally, receives power from connected REMOTE endpoint[5]
COM	(1) 4-pin 3.5 mm detachable terminal block; Bidirectional RS-232 port; Up to 115.2k baud; Fourth pin (labeled **NC**) not used
SERVICE	For factory use only

Indicators

PWR	(1) Green LED, indicates that power is being supplied from the included power pack or via the **LINK** connection

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LINK	(1) Green LED, indicates that a link is established between the local and remote endpoints
USB	(1) Green LED; Solid indicates that only USB 3 (or greater) devices are connected and the link is active; Flashing green indicates that one or more USB 2 (or lower) devices are connected and the link is active; Off indicates that no USB devices are connected

Power

Power Pack (Included)[5]	Input: 100-240VAC, 50/60 Hz; Output: 3.0A @ 20VDC; Model PW-2030DUL sold separately
Power Consumption	31.28 W total between LOCAL and REMOTE

> **NOTE:** When a remote endpoint receives power over the **LINK** connection from a local endpoint, the total USB power available to connected peripherals will be less than 17.5 W (3.5A).

Environmental

Temperature	Operating: 32° to 122°F (0° to 50°C) Storage: -4° to 158°F (-20° to 70°C)
Humidity	10% to 90% RH (noncondensing)

Construction

Construction	Metal housing with detachable white and black plastic face plates included
Mounting	Mounts in an unobstructed North American 1-gang electrical box (not included); Minimum mounting depth of 3.5 in. (89 mm) required; FP-G1 series decorator style face plate (not included)[2]

Dimensions

Height	4.16 in. (106 mm)
Width	1.77 in. (45 mm)
Depth	2.36 in. (60 mm)

Weight

6.61 oz (187 g)

Compliance

Regulatory Model: M202444002

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

Model

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Available Accessories

For a list of available accessories, visit the USB-EXT-3S-LOCAL-1G product page.

Notes:

1. For the **LINK** connection between the local and remote extenders use CAT6a/7 F/FTP (foiled/foiled twisted pair) or U/FTP (unshielded/foiled twisted pair) as determined by the specific installation requirements. The maximum cable length is 330 ft (100 m).

   If using on-premise cabling, up to 33 ft (10 m) of CAT6a/7 patch cord can be used for each extender, ensuring that the total cable length does not exceed 330 ft (100 m). The remaining 264 ft (80 m) distance must consist of solid-core premise cabling.
2. There is slight variance between the color of the swappable front panel covers and the FP-G1 series black and white face plates.
3. The USB extenders are engineered to deliver maximum compatibility with the widest possible range of USB hosts and devices. Crestron does not guarantee that all USB hosts or devices are compatible with the USB extenders. Certain USB hosts and devices may require additional driver installation if not directly supported by the operating system of the computer.
4. The **LINK** ports of the local and the remote endpoints must be connected to each other. Do not connect the **LINK** ports to any other device or to a network.
5. If a USB-EXT-3S-LOCAL-1G is connected to a USB-EXT-3S-REMOTE-1G, both devices must be connected to a local power supply. If a wall plate endpoint is connected to a room box endpoint (USB-EXT-3S-LOCAL or USB-EXT-3S-REMOTE), it can receive power over the **LINK** connection. When a remote endpoint receives power over the **LINK** connection from a local endpoint, the total USB current available to connected peripherals will be less than 3.5A.

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 contact us for additional information by visiting 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.

The specific patents that cover Crestron products are listed online at www.crestron.com/legal/patents.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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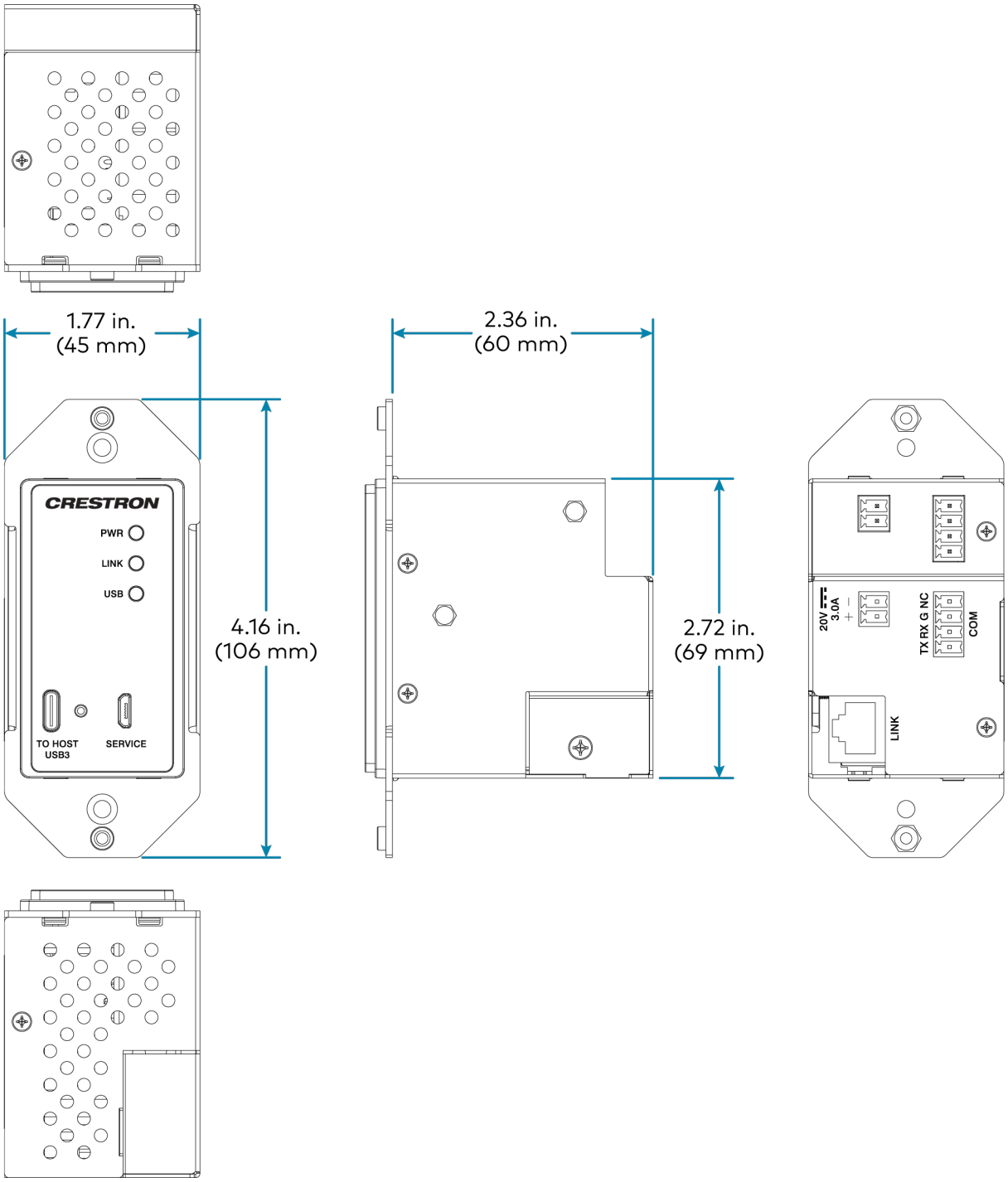
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