

USB-NX2-LOCAL-1G/USB-NX2-REMOTE-1G

USB over Ethernet Network Endpoint Wall Plates with Routing

- Provide reliable, high-speed USB signal extension for most USB 1.1 or 2.0 devices¹
- Enable USB signal routing under the control of a Crestron control system or DigitalMedia™ system³
- Compatible with the USB over Ethernet Extenders with Routing (USB-EXT-DM-LOCAL and USB-EXT-DM-REMOTE)
- 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 hosts¹
- No drivers required with Windows®, macOS®, or Linux® operating systems¹
- Allow simple, point-to-point USB extension up to 100 m (330 ft) over CAT5e (or better)²
- Transport USB over Ethernet or 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 4 USB Type A ports for USB devices
- 100-240 VAC power supply (included) or Power over Ethernet (PoE)
- Expand upon the USB-HID routing capabilities of a DigitalMedia™ system without additional wiring
- Add USB host or device ports to any DM® transmitter, receiver, or switcher
- USB local (host) or remote (device) endpoint sold individually for maximum flexibility

The Crestron® USB over Ethernet Network Endpoint Wall Plates with Routing (USB-NX2-LOCAL-1G and USB-NX2-REMOTE-1G) connect USB peripheral devices at multiple locations throughout a home, business, or campus and route them to one local device (such as a PC) up to 100 m (330 ft). The USB signals are transported over the local network and managed through a Crestron control system.

As part of a Crestron DigitalMedia™ system, the USB endpoints provide seamless routing of USB signals alongside video and audio. From any room with a video display, you can switch between several computers, media servers, and game consoles anywhere in the building and control each one using your mouse and keyboard, game controller, or electronic whiteboard.

The USB endpoints expand on DigitalMedia's built-in USB HID routing abilities, adding enhanced USB connectivity to DM® transmitters, receivers, or switchers without requiring any additional wiring. Simply connect a USB endpoint to the LAN port of a DM transmitter or receiver, or to a port on the local area network.³ Two types of wall plate USB endpoints are available:

- USB-NX2-REMOTE-1G - Provides connectivity for up to 4 USB devices (keyboards, whiteboards, mobile devices, etc.) at one location
- USB-NX2-LOCAL-1G - Provides connectivity for a single USB host (computer, media server, codec, etc.)

The USB endpoints provide compatibility with most USB 1.1 or 2.0 devices, including smartphones, tablets, media players, cameras, printers, flash drives, hard drives, hubs, and more.¹ Sync your smartphone, upload photos, and share music and video files with a computer — all from clear across the building.

The USB endpoints may be used to provide simple, point-to-point USB signal extension, either over an Ethernet LAN or a dedicated CAT5e wire.² At least one remote (device) endpoint (USB-NX2-REMOTE-1G) and one local (host) endpoint (USB-NX2-LOCAL-1G) are required to form a working system. The endpoints are sold individually to accommodate any system configuration.

The USB-NX2-LOCAL-1G and USB-NX2-REMOTE-1G mount in a North American, unobstructed 1-gang electrical box and are compatible with the [USB-EXT-DM-LOCAL](#) and [USB-EXT-DM-REMOTE](#) endpoints.

NOTE: The USB-NX2-LOCAL-1G and USB-NX2-REMOTE-1G route USB signals over an Ethernet network. For simple point-to-point USB signal extenders, please refer to the USB over Category Cable Extender Wall Plates ([USB-EXT-2-REMOTE-1G](#) and [USB-EXT-2-LOCAL-1G](#)) or the USB over Category Cable Extenders ([USB-EXT-2](#)).

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Specifications

Communications

Ethernet	100Base-T or 1000Base-T, Layer 2
Link Speed	Up to 480 Mbps, dependent upon network speed and quality
USB Device Support	USB 1.1 and 2.0 compatible including isochronous devices ¹

Connectors – Local endpoint

Link	(1) 8-pin RJ45 connector, female; Connects to an Ethernet network or directly to a Remote endpoint ² IEEE 802.3Af
Programming	(1) 5-pin port not intended for use
USB	(1) USB Type B connector, female (USB B to A cable included) USB 2.0 device port for connection to the USB host computer, media server, game console, annotator, codec, etc.

Connectors – Remote endpoint

24 V 0.75A	(1) 2-pin 3.5 mm detachable terminal block; 24 VDC power input; PW-2407WUL power supply included
Config	For factory use only
Link	(1) 8-pin RJ45 connector, female; Connects to Link port on the Local endpoint ² IEEE 802.3Af
Programming	(1) 5-pin port not intended for use
USB	(4) 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 endpoint

Activity	(1) Amber LED, indicates data activity over the Link connection
Host	(1) Green LED, indicates a valid connection to the USB host
Link	(1) Green LED, indicates a valid Link connection to the Remote endpoint
Pair	(1) Pushbutton, used to establish a connection with a Remote endpoint
Power	(1) Blue LED, indicates operating power is supplied via the USB host

Indicators – Remote endpoint

Activity	(1) Amber LED, indicates data activity over the Link connection
Host	(1) Green LED, indicates a valid connection to the USB host at the Local endpoint
Link	(1) Green LED, indicates a valid Link connection to the Local endpoint
Pair	(1) Pushbutton, used to establish a connection with a Local endpoint
Power	(1) Blue LED, indicates operating power is supplied via the power supply

Power

USB-NX2-LOCAL-1G	USB powered via the USB host interface IEEE 802.3Af Powered device
USB-NX2-REMOTE-1G	Input: 100-240 VAC, 50/60 Hz; Output: 0.75 A @ 24 VDC, model PW-2407WUL included IEEE 802.3Af Powered device

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 a North American unobstructed 1-gang electrical box (not included); (1) white or black FP-G1 series decorator style faceplate included

Dimensions

Height	4.12 in. (104 mm)
Width	1.72 in. (22 mm)
Depth	1.95 in. (50 mm)

Compliance

IC, FCC Part 15 Class B digital device

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Models

USB-NX2-LOCAL-1G-W

USB over Ethernet Network Endpoint Wall Plate with Routing,
Local, White

USB-NX2-LOCAL-1G-B

USB over Ethernet Network Endpoint Wall Plate with Routing,
Local, Black

USB-NX2-REMOTE-1G-W

USB over Ethernet Network Endpoint Wall, Plate with Routing,
Remote, White

USB-NX2-REMOTE-1G-B

USB over Ethernet Network Endpoint Wall Plate with Routing,
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 endpoint 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 endpoint. 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 endpoints, 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 endpoint 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-2, USB-EXT-2-LOCAL-1G, and USB-EXT-2-REMOTE-1G.
3. All USB endpoint must be on the same layer 2 domain as the control system or DigitalMedia system. Follow accepted guidelines for proper installation and configuration of the local area network to ensure optimum performance.

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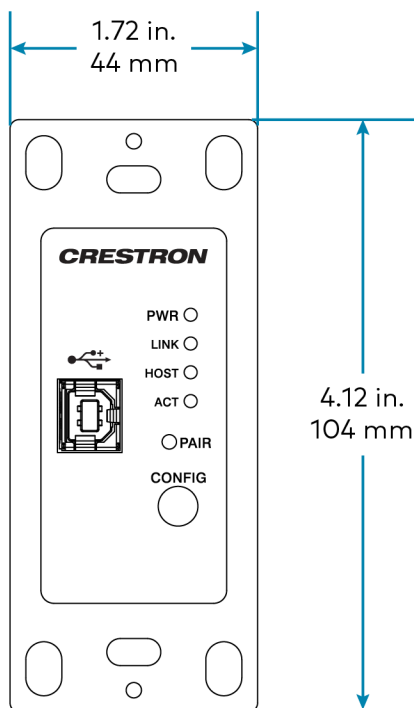
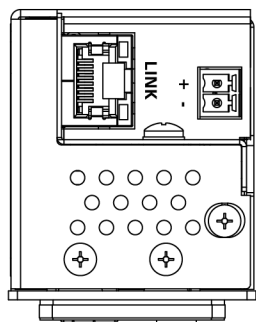
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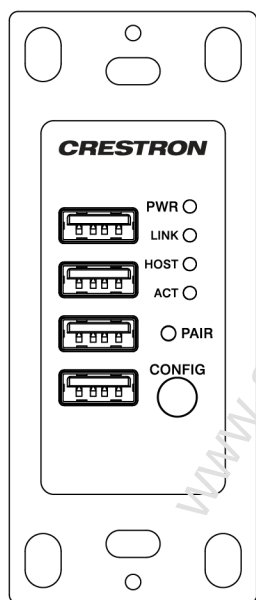
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USB-NX2-LOCAL-1G



USB-NX2-REMOTE-1G

