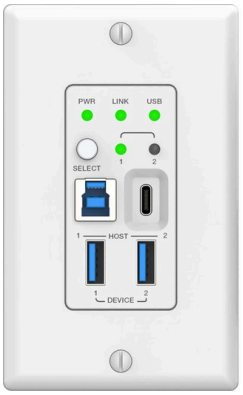
USB 3.2 Gen 1 Wall Plate Extender Kit, USB-C & USB-B Inputs, 100m — Wall Plate TX + Wall Plate RX

5Gbps USB from the Wall to the Room's Cameras and Devices over One CAT6a

MPN: WP-EXTUSB3100WP





Puts a room PC and a guest USB-C laptop on the same USB 3.2 Gen 1 camera, speakerphone and peripherals up to 100m (328ft) away, with a wall plate at both ends and no box in sight. The kit is a matched pair of US 1-gang Decora wall plates linked by a single CAT6a F/FTP cable. The transmitter carries USB-B and USB-C host inputs and two USB-A device ports. The receiver adds three USB-A ports and one USB-C device port. Bi-directional 24V Power over Cable runs both plates from one supply, which can go at whichever end has the outlet. It is the right choice for meeting rooms, lecterns and lab benches where full 5Gbps USB and a clean wall finish matter more than surface-mounted extender boxes, active cables and a separate USB switch.

The transmitter switches between its two hosts automatically when it detects USB 5V, or manually from the SELECT button or a control system. RS-232 pass-through and an ASCII API on both plates let the control system choose the host, query status, lock the front-panel button and set power on each device port to on, off or follow-host. Hardware acceleration for isochronous and bulk transfers suits USB cameras, audio devices and storage. The link is backwards compatible with USB 2.0 and 1.1, needs no drivers, and passes an FSYNC GPIO signal for industrial camera triggering. Firmware updates go through the USB-C service port on each plate. The main differentiator is the dual-host input inside a 1-gang plate: one room PC and one presenter laptop share the room's USB devices without an external switch or a second plate.

Dual Host	5Gbps USB	100m Reach	Bi-directional PoC	Control Ready
USB-B and USB-C inputs with auto switching	USB 3.2 Gen 1 with hardware acceleration	over one CAT6a F/FTP cable	one 24V supply at either end	RS-232, ASCII API and FSYNC

KEY FEATURES

- US 1-gang Decora wall plate transmitter and receiver
- USB 3.2 Gen 1 at up to 5Gbps, backwards compatible with USB 2.0 and 1.1
- 100m (328ft) over a single CAT6a F/FTP cable
- USB-B and USB-C host inputs with automatic or manual switching
- Transmitter: 2 USB-A ports; receiver: 3 USB-A and 1 USB-C device ports
- Per-port power control: on, off or follow host
- Bi-directional 24V PoC: one supply at either end powers both plates
- RS-232 pass-through, ASCII API and FSYNC GPIO pass-through

SPECIFICATIONS

USB Protocol	USB 3.2 Gen 1
Data Rate	Up to 5Gbps
Backwards Compatibility	USB 2.0, USB 1.1
Transmission Distance	100m (328ft) over CAT6a F/FTP; 1.5m (4.9ft) per USB cable
Host Inputs (TX)	1x USB Type-B, 1x USB Type-C
Device Outputs (TX)	2x USB Type-A, 5V/1A each
Device Outputs (RX)	3x USB Type-A, 1x USB Type-C; ports 1-2 5V/1A, ports 3-4 5V/1.5A
Host Switching	Automatic (USB 5V detection) or manual (SELECT button, RS-232/API)
Control	RS-232 4800-115200 bps (default 115200), ASCII API, FSYNC 0-5V
Form Factor	US 1-gang Decora wall plate, white and black
Power	24V DC / 3.75A supply, 62W max, bi-directional PoC
Dimensions (each)	1.77 x 1.65 x 4.07 in (45 x 42 x 103.5 mm)
Package Contents	1x USB 3.2 Gen 1 Wall Plate Transmitter • 1x USB 3.2 Gen 1 Wall Plate Receiver • 1x 24V / 3.75A Power Supply • 2x 2-Pin 3.5mm Phoenix Connector (Male) • 2x 4-Pin 3.5mm Phoenix Connector (Male) • 4x Machine Screw (#6-32 × 5/16 in) • 2x Top Panel