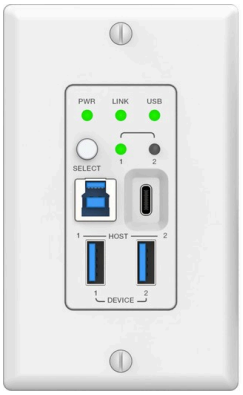
USB 3.2 Gen 1 Wall Plate Extender Kit, USB-C & USB-B Inputs, 100m — Wall Plate TX + Box RX

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

MPN: WP-EXTUSB3100





Puts SuperSpeed USB peripherals up to 100m from the computers that drive them, and lets two hosts share them from one Decora opening. The kit pairs a US 1-Gang Decora wall-plate transmitter with a compact metal box receiver over a single CAT6a F/FTP cable, carrying USB 3.2 Gen 1 at up to 5Gbps. Bi-directional 24V PoC lets one supply power both units from whichever end has an outlet. At the receiver, one USB-C and three USB-A device ports serve the camera, microphone, touch display and storage. It is the right choice for UC rooms, teaching spaces, courtrooms and vision cells where shared hosts, control-system integration and a single power drop matter more than carrying video on the same run.

The wall plate takes a USB-B host on HOST 1 and a USB-C host on HOST 2. It switches automatically when it detects a host's USB 5V, or manually from the SELECT button. RS-232 pass-through and an API let a control system select the host, toggle auto-switching, set power on each device port and read back system status. Hardware acceleration for isochronous and bulk transfers handles USB cameras, USB microphones and storage, and the link stays backwards compatible with USB 2.0 and USB 1.1. FSYNC GPIO pass-through carries an industrial camera trigger over the same cable. The kit is plug-and-play with no host drivers, and firmware loads through a USB-C service port. The strongest differentiator is the second host input at the plate: a room PC and a guest laptop share one set of peripherals with no separate USB switch in the rack.

5Gbps USB	100m Reach	Two Hosts	Control Ready	PoC
USB 3.2 Gen 1 over one CAT6a cable	328ft from host to device	USB-B and USB-C with auto-switching	RS-232 pass-through and API	Power either unit from one end

KEY FEATURES

- US 1-Gang Decora wall-plate transmitter with compact metal box receiver
- USB 3.2 Gen 1 at up to 5Gbps over one CAT6a F/FTP cable, up to 100m (328ft)
- Backwards compatible with USB 2.0 and USB 1.1
- Dual host inputs: USB-B (HOST 1) and USB-C (HOST 2), auto or manual switching
- Hardware acceleration for isochronous and bulk transfers (cameras, mics, storage)
- RS-232 pass-through and API: host select, auto-switch, per-port power, status
- FSYNC GPIO pass-through for industrial camera triggers
- Bi-directional 24V PoC: power either unit from one supply; plug-and-play, no drivers

SPECIFICATIONS

USB Protocol	USB 3.2 Gen 1; backwards compatible with USB 2.0 / 1.1
Data Rate	Up to 5Gbps
Distance	100m (328ft) over CAT6a F/FTP; 1.5m (4.9ft) via USB cable
Cable	CAT6a F/FTP 23AWG, straight-through, T568B both ends
Transmitter Hosts	1x USB-B (HOST 1), 1x USB-C (HOST 2)
Transmitter Devices	2x USB-A, 5V/1A each
Receiver Devices	1x USB-C, 3x USB-A; ports 1-2 5V/1A, ports 3-4 5V/1.5A
Control	RS-232 (4-pin Phoenix, 4800-115200 baud, default 115200); FSYNC GPIO 0-5V
Firmware Update	USB-C SERVICE port on each unit
Power	24V/3.75A supply (AC 100-240V); 62W max; bi-directional 24V PoC
Dimensions (TX / RX)	1.77 x 1.65 x 4.07 in / 5.51 x 2.95 x 0.91 in
Weight (TX / RX)	0.25 lbs (115 g) / 0.70 lbs (318 g)
Package Contents	1× USB 3.2 Gen 1 Wall-Plate Extender • 1× USB 3.2 Gen 1 Box Extender • 1× 24V/3.75A Power Supply • 1× 2-pin 3.5mm Phoenix Connector (male) • 2× 4-pin 3.5mm Phoenix Connector (male) • 2× Mounting Ear • 4× Machine Screw (KM3x4) • 2× Machine Screw (6#-32 x ¾) • 1× Top Panel

Scan for product page

kanexpro.com/item/WP-EXTUSB3100