



The USB Expander expands the USB Audio capability of a CONVERGE Pro 2 mixer by providing an additional USB audio interface with 2x2 channels.

This device enables users in different rooms to run UC applications in laptops for a professional quality audio experience using a simple, flexible USB connection.

The USB expander can be daisy-chained with other P-Link peripheral devices such as the Beamforming Mic Array 2, DIALOG 20 Receiver, and GPIO Expander. It can be used as a P-Link distance extender.

### USB Audio

- + 2 x 2 channels:  
Tx X Rx, with left & right channels
- + Professional quality digital audio:  
48 kHz, 24 bit
- + USB 3.0 and USB 2.0 ports compatible
- + Windows/Mac compatible

### Daisy-Chainable

- + Maximum 3 USB Expanders per CP2 device
- + Daisy-chains and co-exists with other P-Link devices

### Form Factor & Mounting

- + Compact form factor:  
1/3<sup>rd</sup> RU width, 1U height
- + Rack-shelf mount
- + Under the table mount
- + Wall mount
- + Ceiling mount

### Applications

- + Unified Communication (UC)
- + Video Conferencing (VC)
- + Audio Playback
- + Audio Recording

### Extends Distance

- + By 200 Feet (60 meters) from CP2 device
- + By 200 Feet (60 meters) for other P-Link devices

### Connectivity & Power

- + Direct connection to CONVERGE Pro 2 (CP2), Beamforming Microphone Array 2, and DIALOG 20 Wireless Receiver
- + P-Link for power, audio, control from CP2
- + PoE Injector for power
- + RS-232 connection for control interface
- + USB connection for audio



#### VENUES

Boardrooms

Conference Rooms

Huddle Rooms

Training Rooms

Lecture Halls

Courtrooms

Auditoriums

Telemedicine Facilities



## PRODUCT SPECIFICATIONS

### USB AUDIO

- Port Type:** USB-B Connector
- Audio:** Digital audio, 2 x 2 bidirectional channels
- Sample Rate:** 48 kHz
- Sample Bit Depth:** 24 Bit
- Compatible:** USB 2.0, USB 3.0
- USB Cable Distance:** 16 feet (5 meters)
- Compatible:** Windows & Mac OS devices

### P-LINK PERIPHERAL BUS

- Ports Type:** RJ-45 (Cat5e or Cat6)
- P-Link In & Out:** Proprietary Peripheral Bus
- PoE In:**
  - P-Link In Port
  - PoE 802.3af Mode B, Midspan
  - Power on "spare pairs" 4,5 and 7,8
  - Input voltage range: 48V to 56V

**Audio:** Up to 3 USB Expander units + Beamforming Microphone Array 2 units + up to 3 DIALOG 20 Wireless Receiver units

**Cable:** Solid core 24AWG, factory terminated Cat 5e or Cat 6 cable

**Distance:** Up to 200 feet (60 meters)

#### Daisy-chain:

- Up to 3 USB Expanders with each CONVERGE Pro 2 unit
- Up to 3 Beamforming Microphone Array 2 units and up to 3 DIALOG 20 Wireless Receiver units along with up to 3 USB expander units with each supported CONVERGE Pro 2 unit in the same chain
- Up to 6 USB Expander units in the same chain with 2 supported CONVERGE Pro 2 units connected through C-Link

### RS232

**Type:** 3 Position (Tx, Rx, Gnd) 3.81mm Grey Header, Male, Phoenix type Euroblock connectors

**Support:** Serial commands

**Connection:** Connect with Touch Panel Controller for CP2, third-party control devices

### POWER SELECTION SWITCH

**Sensor Type:** Slide Switch

Toggle toward P-Link to power device by P-Link

Toggle toward PoE to power device by PoE Injector

### PoE In PORT

**Port Type:** RJ-45 port

**PoE:** 802.3af or 802.3at PoE/PoE+ injector input

### CONFIGURATION & ADMINISTRATION SOFTWARE

CONVERGE Pro 2 CONSOLE Software

### FRONT PANEL LEDS

#### Power LED:

- Off: Not powered
- Solid Blue: Powered ON

#### Status LED:

- Off: No P-Link plugged in
- Solid Blue: P-Link plugged in and system working normally
- Flashing Blue: Locate mode initiated from CP2 CONSOLE Software
- Red: Error condition

### MOUNTING

- Rack-shelf mount
- Under the table mount
- Wall mount
- Ceiling mount

### POWER & THERMAL

**Power Type:** PoE/PoE+

**Port Type:** RJ-45

**Power Source:** P-Link or PoE Injector

**PoE In/P-Link In:** 802.3af or 802.3at PoE/PoE+

**Power Source Indicator:** Set the position of the Power Select switch to indicate the source of the power (P-Link or PoE)

**Mains Voltage:** 100-240V AC, 50/60Hz

**Power Consumption:** 3 Watts Typical

**Typical Thermal:** 10.24 BTU/Hr Max

**Operating Temperature:**

14°F/-10°C to 104°F/40°C Ambient Temperature

### DIMENSION & WEIGHT

#### Width x Depth x Height:

- Without rack-ears:  
5.5" x 1.6" x 4.1" or 14.4 x 4.2 x 10.3cm
- With rack-ears:  
6.8" x 1.7" x 4.1" or 17.2 x 4.3 x 10.3cm

**Unit Weight:** 0.88 lbs (0.4 kg)

### PARTS INCLUDED

**Rack Mounting Ears:** Pre-installed, Qty 2

#### Input Connectors:

3.81mm Terminal Block Connector, 3 Position (Grey), Qty 1

**USB Cable:** USB Type A to Type B, 6 Ft (1.8M), Qty 1

### PART NUMBERS

Part Number	Product
910-3200-302	USB Expander for CONVERGE Pro 2
910-3200-202	PoE+ Power Injector Kit for 3 Devices
910-001-004	PoE Power Injector for 1 Device
910-6106-001	1U Universal Rack-Shelf
910-3200-204-50	50 ft RJ45 CAT6 Cable
910-3200-204-100	100 ft RJ45 CAT6 Cable
910-3200-204-150	150 ft RJ45 CAT6 Cable
910-3200-204-200	200 ft RJ45 CAT6 Cable

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