The USB Extender enables USB peripheral devices to be remotely located up to 450 feet (135 meters) from the host computer. The extender consists of a transmitter and receiver set that are linked together using a single, standard CAT 5/5e/6 or CAT 7 cable. The USB Extender is available in three form factors that can be mixed-and-matched for optimum integration flexibility.
The **USB Extender Series** enables USB peripheral devices to be remotely located up to 450 feet (135 meters) from the host computer. The extender consists of a transmitter and receiver set that are linked together using a single, standard CAT 5/5e/6 or CAT 7 cable. The receiver features a built-in, active four port hub that supplies 5 Volts, 500 mA to each port to power attached devices. This allows power-hungry peripherals such as smart phones, webcams, personal media players, and mass storage devices to be connected and powered or charged at the same time. The USB Extender Series is ideal for use in applications utilizing the Extron Annotator and remote touchscreen displays, as well as for applications that require the remote location of USB peripherals such as interactive whiteboards, keyboards, mice, and other HID - human interface devices.

The USB Extender Series is available in three form factors that can be mixed and matched for optimum integration flexibility. The tabletop model is housed in a compact 1” quarter rack width metal enclosure, and is ideal for desktop, under desk, lectern, or rack mounting. The USB Extender AAP – Architectural Adapter Plate model, available in black and white, fits within a double-space AAP opening and provides a convenient and elegant architectural enclosure, and is ideal for desktop, under desk, lectern, or rack mounting. The USB Extender Decora model is a white, one-gang faceplate that installs in a one-gang wall box.

All models feature an external universal power supply, replacement part # 70-775-01. Transmitters can also be powered directly from the USB host port.

### Features

- Extends USB peripherals up to 450 feet (135 meters) on standard CAT 5/5e/6 or CAT 7 cable
- Supports USB 1.0, 1.1, and 2.0 standards with data transfer rates up to 480 Mbps – Allows high speed transfer from thumb drives and other mass storage devices.
- Receiver features an integrated four port hub with 5 Volts, 500 mA available on each port – Allows simultaneous connection to multiple peripheral devices such as the Extron Annotator, mass storage devices, keyboards, mice, or other HID – Human Interface Devices.
- Port Status LEDs – provides visual indication of port activity for enumerated peripherals and all connected and active host devices.
- Choice of tabletop and architectural form factors – Available in a compact 1” rack-mountable metal enclosure, an AAP - Architectural Adapter Plate, and a 1-gang Decora-style wallplate for easy integration into a variety of environments.
- Form factors can be mixed and matched for optimum integration flexibility
- External universal ENERGY STAR® qualified power supply included, replacement part # 70-775-01 – Provides worldwide compatibility, low power consumption, and reduced operating costs.
USB

- **USB standards**: USB 2.0, USB 1.1, USB 1.0 compatible
- **USB data rates**: Low speed (1.5 Mbps), full speed (12 Mbps), high speed (480 Mbps)
- **Signal transmission distance**: With CAT 5/5e/6/7 cable: 450’ (135 m)

**USBC HOST — TX UNITS**

- **Number/signal type**: 1 USB (supports USB 2.0, 1.1, 1.0 speeds)
- **Connectors**:
  - USB Extender Tx: 1 female USB type B
  - USB Extender AAP Tx, USB Extender D Tx: 1 female mini USB type B

**INTERCONNECTION BETWEEN TRANSMITTER AND RECEIVER**

- **Connectors**: 1 female RJ-45 per unit
- **Termination standards**: TIA 568A or TIA 568B
- **Signal transmission distance**: With CAT 5/5e/6/7 cable: 450’ (135 m)

**USB HUB — RX UNITS**

- **Number/signal type**: (1) 4-port USB hub
- **Connectors**: 4 female USB type A

**GENERAL**

- **Power supply**: External
  - Input: 100-240 VAC, 50-60 Hz
  - Output: 12 VDC, 1 A
- **Power input**:
  - Transmitters: 12 VDC, 0.4 A
  - Receivers: 12 VDC, 1.0 A
- **Temperature/humidity**:
  - Storage: -40 to +158°F (-40 to +70°C), 10% to 90%, noncondensing
  - Operating: +32 to +122°F (0 to +50°C), 10% to 90%, noncondensing

**Cooling**

- USB Extender Tx/Rx: Convection, no vents
- USB Extender AAP Tx/Rx, USB Extender D Tx/Rx: Convection, vents on top

**Mounting**

- Rack mount
  - USB Extender Tx/Rx: Yes, with optional rack shelf or rack mounting brackets
- USB Extender AAP Tx/Rx, USB Extender D Tx/Rx: No
  - Furniture or wall mount
  - USB Extender Tx/Rx: Yes, with optional mounting kits
  - USB Extender AAP Tx/Rx: Yes, with optional mounting frame or Extron product with AAP openings
  - USB Extender D Tx/Rx: Wall or furniture mountable in a 1 gang Decora®-style opening

**Enclosure type**: Metal

**Enclosure dimensions**:

- **USB Extender Tx/Rx**: 1.0” H x 4.3” W x 3.0” D (2.5 cm H x 10.9 cm W x 7.6 cm D) (Depth excludes connectors.)
- **USB Extender AAP Tx/Rx**: 1.4” H x 3.5” W x 0.1” D (3.5 cm H x 8.9 cm W x 0.3 cm D) (double space AAP plate)
- **Device**: 1.4” H x 2.5” W x 1.4” D (3.5 cm H x 6.4 cm W x 3.6 cm D) (Depth excludes connectors and pigtails. Allow at least 1.6” (4.1 cm) depth in the wall or furniture.)

**USB Extender D Tx/Rx**

- **Faceplate**: 2.6” H x 1.3” W x 0.1” D (6.6 cm H x 3.3 cm W x 0.3 cm D)
  - Fits the opening in a 1 gang Decora®-style wallplate.
  - “Overall height is 4.1” (10.4 cm) including mounting tabs.
  - 1.4” H x 2.5” W x 1.4” D
  - Depth excludes connectors and pigtails. Allow at least 1.6” (4.1 cm) depth in the wall or furniture.

- **Product weight**: 0.25 lbs (0.1 kg)
- **Shipping weight**: 1 lb (<1 kg)
- **Vibration**: ISTA 1A in carton (International Safe Transit Association)
- **Regulatory compliance**:
  - Safety: CE, c-UL, UL
  - EM/EMI: CE, C-tick, FCC Class A, ICES, VCCI Class A
  - Environmental: Complies with the appropriate requirements of RoHS, WEEE
- **Warranty**: 3 years parts and labor

**Model Version Description**

- **USB Extender Tx**: Transmitter
- **USB Extender Rx**: Receiver
- **USB Extender AAP Tx**: Transmitter - AAP Version - Black
- **USB Extender AAP Rx**: Receiver - AAP Version - Black
- **USB Extender AAP Rx**: Receiver - AAP Version - White
- **USB Extender D Tx**: Transmitter - Decora Version - White
- **USB Extender D Rx**: Receiver - Decora Version - White

**Optional Accessories**

- **Model Version Description**
  - **RSF 123**: Rack Shelf Kit for 3.5 inch deep products
  - **RSB 123**: Basic Rack Shelf for 3.5 inch deep products
  - **RSU 129**: Universal Rack Shelf for 1/2 or 1/4 Rack Width products
  - **PMK 300**: Projector Mount Kit
  - **PMK 350**: Low profile Projector Mount Kit
  - **ZipClip™ 200**: Qty. 10 mounting clips and accessories

For complete specifications, please go to www.extron.com

Specifications are subject to change without notice.