



**EXTEND
4K/60
400 FT.**

B127A-Series AV over Cat6 Extenders

**Connect 4K sources
to displays or projectors
over Cat6 cabling in
any environment.**

4K/60 | HDR | 4:4:4 | PoC | 400 ft. +
HDMI | DP | USB-C | IR/USB Control

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Powering and Connecting Your World

Tripp Lite Pro AV Solutions

Whether you are an installer, integrator, end user or reseller, you'll benefit from Tripp Lite's commitment to bringing the plug-and-play simplicity and affordability of IT equipment to the Pro AV market.

Perfect for Jobs Big and Small

Field-proven in countless commercial installations, Tripp Lite Pro AV solutions support digital signage, video conferencing, collaboration, work-from-anywhere, projector and display applications in corporate, retail, government, education, healthcare, house-of-worship, home and hospitality (hotel, restaurant, bar) environments. Whether you need one adapter for a teleconference room or a complete solution for a corporate facility, Tripp Lite Pro AV solutions are the answer.

Trusted Name, Improved Experience

Engineering and customer service excellence have driven Tripp Lite since 1922. Tripp Lite is far from new, but offers an improved Pro AV experience that replaces complexity with simplicity and sticker shock with affordability. Tripp Lite Pro AV solutions are quick to ship, a breeze to install, easy to use and kind to your budget.

Old-Fashioned Service Excellence

Tripp Lite's in-house support team makes sure everything works together and sets you up for success before you go on-site. And if you run into unexpected roadblocks, they can provide quick answers via phone, email or chat before delays cost you time and money. They have years of experience solving problems installers face in the field.



“ I am happy with the purchase and even more happy with the service I received from Tripp Lite.

They were able to provide answers quickly, while my inspector was still on site. This saved me a lot of time, and maybe money too. Nice job and thanks! – Online Review from Rob R.

”

B127A-Series Extenders Complete Your Digital Display Installation

Flexible & Convenient Options

- Extenders support HDMI/DVI, DisplayPort and USB-C sources
- Box, faceplate and pigtail style options are available
- Signals travel via Cat6 cabling, which can easily pass through conduit to meet building codes
- Power over Cable (PoC) powers the transmitter and receiver from a single outlet to increase installation options

Long-Distance Video Transmission

- Extenders transmit 4K/60 signals up to 230 ft.
- Adding a signal repeater increases distance to 400 ft.
- Daisy-chainable transceivers add 230 ft. at each level, up to 1090 ft. total with maximum 4-level chain and repeater

High-Resolution Video

- Extenders support UHD video resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz, as specified in HDMI 2.0
- Extenders support 4:4:4 color, HDR, HDCP 2.2 and 7.1-channel surround sound, with optical audio extraction

Control Extension

- IR signal extension permits source management from display
- USB extension connects touchscreen to remote computer

Notes: DisplayPort models support up to 4K/30 resolution. DVI connections require HDMI-to-DVI adapters and support video only. USB-C and some DisplayPort models do not support HDR. Refer to product specifications at tripplite.com for detailed information about specific models.



B127A-SERIES EXTENDERS can support a single display or multiple displays. For more information about configuring your solution, refer to the appropriate section or contact Tripp Lite:

- Single-Display Setup** Pages 4-5
- Multi-Display Setup** Pages 6-7



B127A-1A1-BCBH Extender Kit



B127A-1A1-BHPH Extender Kit



B127A-1A1-FHH Extender Kit

SIMPLE & FLEXIBLE Single-Display Configuration



Single-display configurations are commonly required in settings like classrooms, conference rooms and hybrid meeting spaces. Follow the steps at right to find your solution.

- 1 Choose your source connection type and transmitter style.
- 2 Choose your display/projector connection type and receiver style.
- 3 Refer to the configuration table below to find a match.
- 4 Don't forget! Add Tripp Lite solid-conductor Cat6 cables and AV cables to complete your connection. (See page 8.)

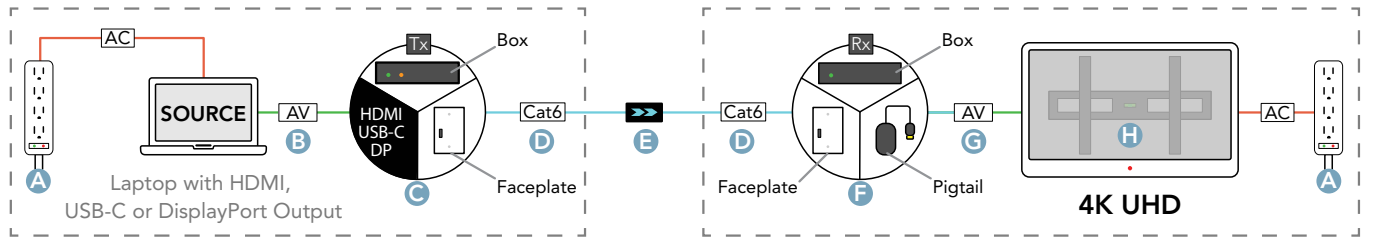
Single-Display Configuration Table

Model	Source Type + Transmitter Style	Display Type + Receiver Style
Extender Kits (Transmitter + Receiver; 230 ft. Standard Distance; 400 ft. Maximum Distance with Optional Repeater)		
B127A-1A1-BCBH	USB-C Box	HDMI Box
B127A-1A1-BDBD	DisplayPort Box	DisplayPort Box
B127A-1A1-BDBH	DisplayPort Box	HDMI Box
B127A-1A1-BDFH	DisplayPort Box	HDMI Faceplate
B127A-1A1-DFFH	DisplayPort Faceplate	HDMI Faceplate
B127A-1A1-BHBH	HDMI Box	HDMI Box
B127A-1A1-BHFH	HDMI Box	HDMI Faceplate
B127A-1A1-BPHH	HDMI Box	HDMI Pigtail
B127A-1A1-FHHH	HDMI Faceplate	HDMI Faceplate
Extender/Switch Kit (Transmitter/Switch + Receiver; 4 Sources to 1 Display)		
B127A-4X1-BH	4-Port HDMI Large Faceplate	HDMI Box
In-Line Repeater (Increases Maximum Distance to 400 ft.; Limit of 1 Repeater per Configuration)		
B127A-010-H	HDMI (In-Line)	
Extender/Transceiver Kits (Transmitter + Transceiver; 230 ft. Standard; 1090 ft. Maximum with Optional Repeater and 3 Optional Transceivers)		
B127A-111-BHTH	HDMI Box	HDMI Box (Transceiver); Add 1-3 B127A-110-BH Transceivers (Shown Below)
B127A-111-BDTD	DisplayPort Box	DisplayPort Box (Transceiver); Add 1-3 B127A-110-BH Transceivers (Shown Below)
B127A-111-BDTH	DisplayPort Box	HDMI Box (Transceiver); Add 1-3 B127A-110-BH Transceivers (Shown Below)
Transceivers (For Extender/Transceiver Kits; Each Transceiver Increases Maximum Distance by 230 ft.; Limit of 4 Transceivers per Configuration)		
B127A-110-BD	N/A	DisplayPort Box (Transceiver)
B127A-110-BH	N/A	HDMI Box (Transceiver)

Single-Display Configuration Example



B127A-Series AV Over Cat6 Extenders: Single-Display Configuration Example
HDMI, USB-C and DisplayPort Options Provide Flexibility for Hybrid Meeting Rooms



Source Area

Display Area

TRIPP LITE PRO AV SOLUTIONS

- A Surge Protectors** (Protect Source and Display)
- B HDMI, USB-C or DP Cable** (Connects Source to Transmitter)
- C HDMI Over Cat6 Transmitter** (Box or Faceplate Style)
- D Cat6 Solid-Conductor UTP Cabling**
- E HDMI Repeater** (Optional; Boosts Maximum Distance to 400 ft.)
- F HDMI Over Cat6 Receiver** (Box, Faceplate or Pigtail Style)
- G HDMI Cable** (Not Required for Pigtail Receivers)
- H TV/Monitor Wall Mount or Cart**



USB-C to HDMI

B127A-1A1-BCBH Extender Kit



DisplayPort to DisplayPort

B127A-1A1-BDBD Extender Kit



DisplayPort to HDMI

B127A-1A1-BDBH Extender Kit



DisplayPort to HDMI

B127A-1A1-BDFH Extender Kit



DisplayPort to HDMI

B127A-1A1-FDFH Extender Kit



HDMI to HDMI

B127A-1A1-BHBH Extender Kit



HDMI to HDMI

B127A-1A1-BHFH Extender Kit



HDMI to HDMI

B127A-1A1-BHPH Extender Kit



HDMI to HDMI

B127A-1A1-FHH Extender Kit



4 x HDMI to HDMI

B127A-4X1-BH Extender/Switch Kit



HDMI

B127A-010-H In-Line Repeater



HDMI to HDMI

B127A-111-BHTH Extender/Transceiver Kit



DisplayPort to DisplayPort

B127A-111-BDTD Extender/Transceiver Kit



DisplayPort to HDMI

B127A-111-BDTH Extender/Transceiver Kit



DisplayPort

B127A-110-BD Transceiver



HDMI

B127A-110-BH Transceiver

SIMPLE & FLEXIBLE Multi-Display Configuration



Multi-display configurations are commonly required in settings like retail, hospitality and houses of worship. Follow the steps at right to find your solution.

- 1 Choose your source connection type and transmitter style.
- 2 Choose your display/projector connection type(s) and receiver style(s).
- 3 Refer to the configuration table below to find a match.
- 4 Don't forget! Add Tripp Lite solid-conductor Cat6 cables and AV cables to complete your connection. (See page 8.)

Multi-Display Configuration Table

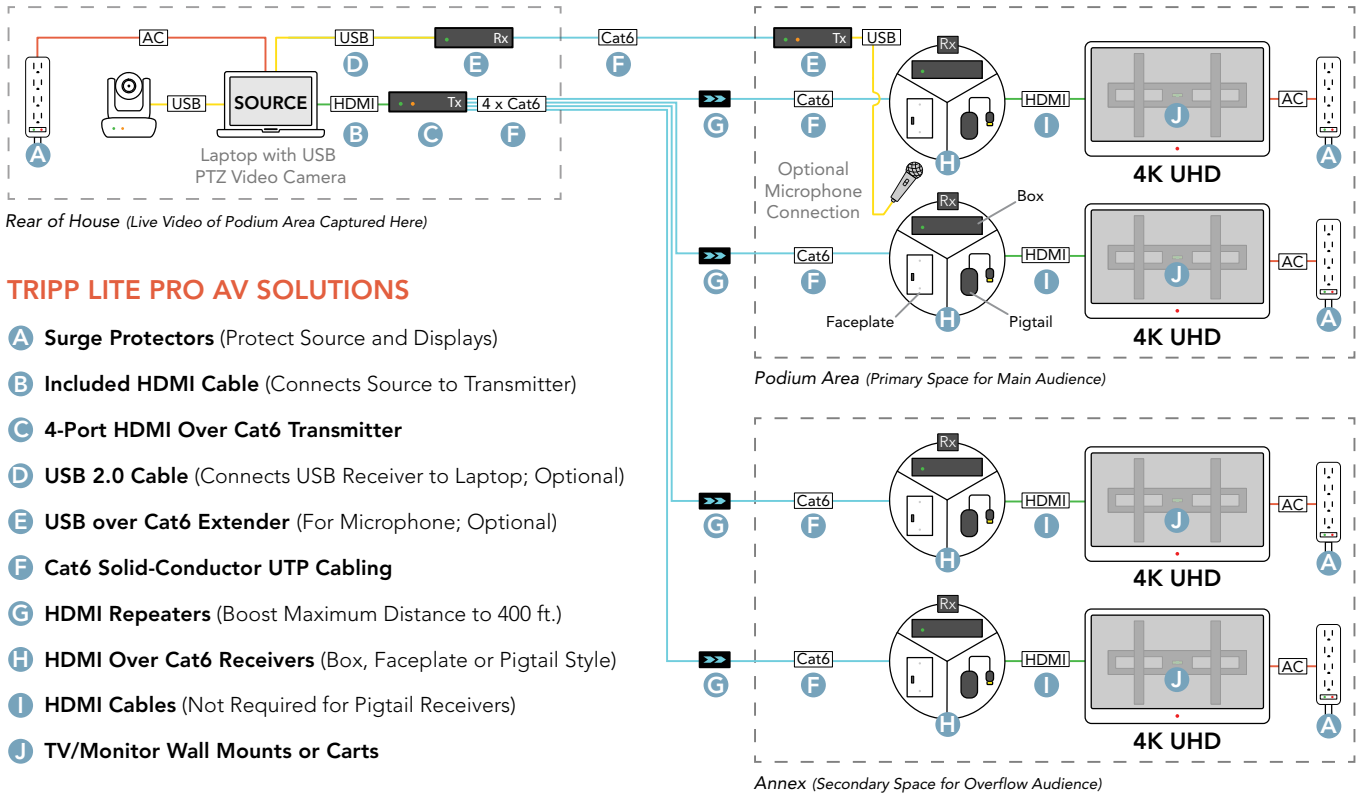
Model	Source Type + Transmitter Style	Display Type + Receiver Style
Extender/Splitters and Extender/Splitter Kits (230 ft. Standard Distance; 400 ft. Maximum Distance with Optional Repeater)		
B127A-002-BH	HDMI Box (2-Port Splitter)	Choose 1-2 Add-On Receivers (Shown Below)
B127A-004-BH	HDMI Box (4-Port Splitter)	Choose 1-4 Add-On Receivers (Shown Below)
B127A-004-BHPH3	HDMI Box (4-Port Splitter)	3 x HDMI Pigtail; Also Choose 0-1 Add-On Receivers (Shown Below)
B127A-002-BHPH2	HDMI Box (2-Port Splitter)	2 x HDMI Pigtail
Extender Kits with Dual-Output Receivers (230 ft. Standard Distance; 400 ft. Maximum Distance with Optional Repeater)		
B127A-2A1-BHBH	HDMI Box	Dual-Output HDMI Box
B127A-2A1-FHFH	HDMI Faceplate	Dual-Output HDMI Faceplate
Add-On Receivers (Add to B127A-002-BH, B127A-004-BH or B127A-004-BHPH3.)		
B127A-1A0-BH	N/A	HDMI Box
B127A-1A0-FH	N/A	HDMI Faceplate
B127A-1P0-PH	N/A	HDMI Pigtail
B127A-2A0-BH	N/A	Dual-Output HDMI Box
B127A-2A0-FH	N/A	Dual-Output HDMI Faceplate
In-Line Repeater (Increases Maximum Distance to 400 ft.; Limit of 1 Repeater per Configuration)		
B127A-010-H	HDMI (In-Line)	
Extender/Transceiver Kits (Transmitter + Transceiver; 230 ft. Standard; 1090 ft. Maximum with Optional Repeater and 3 Optional Transceivers)		
B127A-111-BHTH	HDMI Box	HDMI Box (Transceiver); Add 1-3 B127A-110-BH Transceivers (Shown Below)
B127A-111-BDTD	DisplayPort Box	DisplayPort Box (Transceiver); Add 1-3 B127A-110-BH Transceivers (Shown Below)
B127A-111-BDTH	DisplayPort Box	HDMI Box (Transceiver); Add 1-3 B127A-110-BH Transceivers (Shown Below)
Transceivers (For Extender/Transceiver Kits; Each Transceiver Increases Maximum Distance by 230 ft.; Limit of 4 Transceivers per Configuration)		
B127A-110-BD	N/A	DisplayPort Box (Transceiver)
B127A-110-BH	N/A	HDMI Box (Transceiver)

Multi-Display Configuration Example



B127A-Series AV Over Cat6 Extenders: Multi-Display Configuration Example

Live Streaming to Multiple Displays Improves Audience Experience in House of Worship



TRIPP LITE PRO AV SOLUTIONS

- A Surge Protectors** (Protect Source and Displays)
- B Included HDMI Cable** (Connects Source to Transmitter)
- C 4-Port HDMI Over Cat6 Transmitter**
- D USB 2.0 Cable** (Connects USB Receiver to Laptop; Optional)
- E USB over Cat6 Extender** (For Microphone; Optional)
- F Cat6 Solid-Conductor UTP Cabling**
- G HDMI Repeaters** (Boost Maximum Distance to 400 ft.)
- H HDMI Over Cat6 Receivers** (Box, Faceplate or Pigtail Style)
- I HDMI Cables** (Not Required for Pigtail Receivers)
- J TV/Monitor Wall Mounts or Carts**



HDMI
B127A-002-BH
2-Port Extender/Splitter*



HDMI
B127A-004-BH
4-Port Extender/Splitter*



HDMI to 3 or 4 x HDMI
B127A-004-BHPH3
4-Port Extender/Splitter Kit*



HDMI to 2 x HDMI
B127A-002-BHPH2
2-Port Extender/Splitter Kit*



HDMI to 2 x HDMI
B127A-2A1-BHBH
Dual-Output Extender/Splitter Kit



HDMI to 2 x HDMI
B127A-2A1-FHFH
Dual-Output Extender/Splitter Kit



HDMI
B127A-1A0-BH
Add-on Receiver*



HDMI
B127A-1A0-FH
Add-on Receiver



HDMI
B127A-1P0-PH
Add-on Receiver



2 x HDMI
B127A-2A0-BH
Add-on Receiver (Dual Output)



2 x HDMI
B127A-2A0-FH
Add-on Receiver (Dual Output)

See page 5 for photos of repeater, extender/transceiver kits and transceivers.

* Front and back shown.

CAT6, AUDIO/VIDEO AND USB CABLES

Solid-Conductor Cat6 Cables and Accessories for AV over Cat6 Applications

Model	Description
N202-025-BL	Cat6 Gigabit Solid Conductor Snagless UTP Ethernet Cable (RJ45 M/M), Blue, 25 ft. (7.62 m)
N202-050-BL	Cat6 Gigabit Solid Conductor Snagless UTP Ethernet Cable (RJ45 M/M), Blue, 50 ft. (15.24 m)
N202-075-BL	Cat6 Gigabit Solid Conductor Snagless UTP Ethernet Cable (RJ45 M/M), Blue, 75 ft. (22.86 m)
N202-100-BL	Cat6 Gigabit Solid Conductor Snagless UTP Ethernet Cable (RJ45 M/M), Blue, 100 ft. (30.5 m)
N202-125-BL	Cat6 Gigabit Solid Conductor Snagless UTP Ethernet Cable (RJ45 M/M), Blue, 125 ft. (38.1 m)
N202-150-BL	Cat6 Gigabit Solid Conductor Snagless UTP Ethernet Cable (RJ45 M/M), Blue, 150 ft. (45.72 m)
N202-175-BL	Cat6 Gigabit Solid Conductor Snagless UTP Ethernet Cable (RJ45 M/M), Blue, 175 ft. (53.34 m)
N202-200-BL	Cat6 Gigabit Solid Conductor Snagless UTP Ethernet Cable (RJ45 M/M), Blue, 200 ft. (60.96 m)
N222-01K-BL	Cat6 Solid-Core UTP CMR PVC Bulk Ethernet Cable, Blue, 1000 ft. (304.8 m)
N222-01K-BK	Cat6 Solid-Core UTP CMR PVC Bulk Ethernet Cable, Black, 1000 ft. (304.8 m)
N222-01K-GY	Cat6 Solid-Core UTP CMR PVC Bulk Ethernet Cable, Gray, 1000 ft. (304.8 m)
N222-01K-YW	Cat6 Solid-Core UTP CMR PVC Bulk Ethernet Cable, Yellow, 1000 ft. (304.8 m)
N222-01K-WH	Cat6 Solid-Core UTP CMR PVC Bulk Ethernet Cable, White, 1000 ft. (304.8 m)
N224-01K-BL	Cat6 Solid-Core Plenum-Rated UTP CMP PVC Bulk Ethernet Cable, Blue, 1000 ft. (304.8 m)
N224-01K-BK	Cat6 Solid-Core Plenum-Rated UTP CMP PVC Bulk Ethernet Cable, Black, 1000 ft. (304.8 m)
N224-01K-GN	Cat6 Solid-Core Plenum-Rated UTP CMP PVC Bulk Ethernet Cable, Green, 1000 ft. (304.8 m)
N224-01K-GY	Cat6 Solid-Core Plenum-Rated UTP CMP PVC Bulk Ethernet Cable, Gray, 1000 ft. (304.8 m)
N224-01K-WH	Cat6 Solid-Core Plenum-Rated UTP CMP PVC Bulk Ethernet Cable, White, 1000 ft. (304.8 m)
N228-01K-BK	Cat6/Cat6e Solid-Core UTP CMX LDPE Outdoor-Rated Bulk Ethernet Cable, Black, 1000 ft. (304.8 m)
N232-050-UTP	Cat6 RJ45 Pass-Through UTP Modular Plug, 50-Pack
N232-100-UTP	Cat6 RJ45 Pass-Through UTP Modular Plug, 100-Pack
T100-PT1	Crimping Tool with Cable Stripper for Pass-Through RJ45 Plugs
T010-001-K	Multi-Function Cable Tester with Wire Tracker (RJ45, RJ11, BNC, USB)

Audio/Video and USB Cables

Model	Description
P569-003-CERT	Certified Premium High-Speed HDMI Cable, 4K UHD (M/M), 3 ft. (0.91 m)
P569-006-CERT	Certified Premium High-Speed HDMI Cable, 4K UHD (M/M), 6 ft. (1.83 m)
P569-010-CERT	Certified Premium High-Speed HDMI Cable, 4K UHD (M/M), 10 ft. (3.05 m)
P569-015-CERT	Certified Premium High-Speed HDMI Cable, 4K UHD (M/M), 15 ft. (4.57 m)
P130-000	HDMI to DVI-D Cable Adapter (HDMI to DVI-D F/M)
P580-003	DisplayPort Cable with Latches, 4K UHD, (M/M), Black, 3 ft. (0.91 m)
P580-006	DisplayPort Cable with Latches, 4K UHD, (M/M), Black, 6 ft. (1.83 m)
P580-010	DisplayPort Cable with Latches, 4K UHD, (M/M), Black, 10 ft. (3.05 m)
P580-015	DisplayPort Cable with Latches, 4K UHD, (M/M), Black, 15 ft. (4.57 m)
U420-16N-G25AFL	USB-C Cable, Flat, USB 3.1 Gen 2 (10 Gbps), 5A Rating, Thunderbolt 3 Compatible, (M/M), 16 in. (40.64 cm)
U420-20N-G2-5A	USB-C Cable, USB 3.1 Gen 2 (10 Gbps), 5A Rating, Thunderbolt 3 Compatible, (M/M), 20 in. (50.8 cm)
U420-003-G2-5A	USB-C Cable, USB 3.1 Gen 2 (10 Gbps), 5A Rating, Thunderbolt 3 Compatible, (M/M), 3 ft. (0.91 m)
U420-C03-G2-5A	USB-C Cable, USB 3.1 Gen 2 (10 Gbps), 5A Rating, USB-IF Certified, Thunderbolt 3 Compatible, (M/M), 3 ft. (0.91 m)



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