

## DisplayPort Signal Booster / Extender - 1080p 60Hz, Up to 150 ft. (45 m), (DP F/F), TAA

MODEL NUMBER: **B121-000**



Extend a DisplayPort audio/video signal up to 150 ft. from the video source.

### Description

Tripp Lite's B121-000 DisplayPort Signal Extender increases the distance a Displayport signal can be transmitted beyond the recommended 16-ft. (4.88 m). It supports computer video resolutions up to 1920 x 1200 @ 60Hz, and HD resolutions up to 1080p @ 60Hz, as well as a maximum distance of 150-ft. (45.72 m) from the source. Use P580-Series Displayport cables in most applications. When extending a 1920 x 1200 @ 60Hz (or 1080p @ 60Hz) video signal more than 100-ft. (30.5 m), use cable made with 24Awg wiring. (Available from Tripp Lite as a custom order) Simply connect the longer cable between the source and the B121-000, and the shorter cable (16-ft. (4.88 m) or less) between the adapter and the monitor. Software or drivers are not required. Built-in Equalization control to adjust the video image. HDCP compliant. Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases.

### Features

- Extend a Displayport signal up to 150-ft. (45.72 m) from the source
- Supports computer video resolutions up to 1920 x 1200 @ 60Hz, and HD resolutions up to 1080p @ 60Hz
- Use P580-Series Displayport Cables
- When extending a 1920x1200 @ 60Hz (or 1080p @ 60Hz) video signal more than 100-ft. (30.5 m), use a cable made with 24Awg wiring (Available from Tripp Lite as a custom order)
- Built-in Equalization control to adjust the video image
- HDCP compliant
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

## Specifications

| OVERVIEW     |                |
|--------------|----------------|
| UPC Code     | 037332175502   |
| Product Type | Signal Booster |

### Highlights

- Supports computer video resolutions up to 1920 x 1200 and HD resolutions up to 1080p
- When extending a 1920 x 1200 @ 60 Hz signal more than 100-ft. (30.5 m), use cable made with 24 AWG wiring
- Built-in equalization control to adjust the video image
- DisplayPort v1.1a compliant
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

### System Requirements

- DisplayPort-equipped computer
- DisplayPort-equipped monitor
- For audio support, you must have a DisplayPort source that supports audio and which has it enabled

### Package Includes

- B121-000 DisplayPort Signal Extender
- External power supply with 5-ft. (1.52 m) cord and NEMA 1-15P plug (Input: 100-240V, 50/60 Hz, 0.5A; Output: 5V 2A)
- Screwdriver for equalization adjustment
- Owner's manual



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|                                    |                                                  |
|------------------------------------|--------------------------------------------------|
| Technology                         | DisplayPort                                      |
| Host Connector                     | DISPLAYPORT (FEMALE)                             |
| <b>VIDEO</b>                       |                                                  |
| Video Input                        | DISPLAYPORT (FEMALE)                             |
| Video Output                       | DISPLAYPORT (FEMALE)                             |
| Resolutions Supported              | Extend a 1080p @ 60Hz signal up to 150 ft        |
| Supported Resolutions              | 1920x1080 (1080p)                                |
| Max Supported Video Resolution     | 1920x1080 (1080p @ 60Hz)                         |
| Max 720P Range (ft)                | 150                                              |
| Max 1080P Range (ft)               | 150                                              |
| Max 1280 x 720 (720p) Range (ft)   | 150                                              |
| Max 1920 x 1080 (1080p) Range (ft) | 150                                              |
| Signal Range (ft)                  | 150                                              |
| Signal Range (m)                   | 45                                               |
| Recommended Cabling                | P580-Series Displayport Cables                   |
| Max Supported Color Depth          | 24-bit True Color                                |
| HDR Support                        | No                                               |
| 3D Video Supported                 | Yes                                              |
| Maximum Signal Range (ft)          | 150                                              |
| Maximum Signal Range (m)           | 46                                               |
| Maximum Signal Range Details       | Extend a 1080p @ 60Hz signal up to 150 ft        |
| <b>AUDIO</b>                       |                                                  |
| Audio Input                        | Displayport                                      |
| Audio Output                       | Displayport                                      |
| <b>INPUT</b>                       |                                                  |
| Voltage Compatibility (VAC)        | 100; 110; 120; 125; 127; 200; 208; 220; 230; 240 |
| Bus Powered                        | No                                               |
| Product Length (in.)               | 2.4                                              |
| Product Length (cm.)               | 6.1                                              |
| Product Length (ft.)               | 0.2                                              |
| Product Length (m.)                | 0.061                                            |
| <b>POWER</b>                       |                                                  |
| Power Source Type                  | AC Adapter                                       |



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|                                                |                                                                                                                                                                                                                                                      |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AC Plug Type                                   | NEMA 1-15P                                                                                                                                                                                                                                           |
| Power Source                                   | Unit (Included)                                                                                                                                                                                                                                      |
| Power Over Cable (PoC) Support                 | No                                                                                                                                                                                                                                                   |
| AC Adapter                                     | Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 2A, 5 ft.                                                                                                                                                                                                |
| External Power Supply Input Specs (V / Hz / A) | 100-240V / 50-60Hz / 0.35A                                                                                                                                                                                                                           |
| External Power Supply Output Specs (V / A)     | 5V/2A                                                                                                                                                                                                                                                |
| External Power Supply Cord Length (ft.)        | 4.5                                                                                                                                                                                                                                                  |
| External Power Supply Cord Length (m.)         | 1.38                                                                                                                                                                                                                                                 |
| DC Barrel Plug                                 | OD: 5.5 x 2.1 x 9.5mm, Positive Pin, Negative Sleeve                                                                                                                                                                                                 |
| External Power Supply Plug(s)                  | NEMA 1-15P North America                                                                                                                                                                                                                             |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b>   |                                                                                                                                                                                                                                                      |
| LED Indicators                                 | Green LED indicates that the power supply is connected and the unit is getting the power. Orange LED indicates when the S/L Equalization switch is in the L position. No Orange LED indicates when the S/L Equalization switch is in the S position. |
| <b>PHYSICAL</b>                                |                                                                                                                                                                                                                                                      |
| Material of Construction                       | Plastic                                                                                                                                                                                                                                              |
| Color                                          | Black                                                                                                                                                                                                                                                |
| Included Mounting Accessories                  | No                                                                                                                                                                                                                                                   |
| Number of Displays                             | 1                                                                                                                                                                                                                                                    |
| Form Factor/Mounting Options                   | Box                                                                                                                                                                                                                                                  |
| Shipping Dimensions (hwd / cm)                 | 15.24 x 5.72 x 18.29                                                                                                                                                                                                                                 |
| Shipping Dimensions (hwd / in.)                | 6.00 x 2.25 x 7.20                                                                                                                                                                                                                                   |
| Shipping Weight (kg)                           | 0.27                                                                                                                                                                                                                                                 |
| Shipping Weight (lbs.)                         | 0.60                                                                                                                                                                                                                                                 |
| Unit Dimensions (hwd / in.)                    | 2.4 x 2.04 x 0.94                                                                                                                                                                                                                                    |
| Unit Packaging Type                            | Box                                                                                                                                                                                                                                                  |
| Unit Weight (lbs.)                             | 0.1                                                                                                                                                                                                                                                  |
| Unit Weight (kg)                               | 0.05                                                                                                                                                                                                                                                 |
| Housing                                        | Plastic                                                                                                                                                                                                                                              |
| <b>ENVIRONMENTAL</b>                           |                                                                                                                                                                                                                                                      |
| Operating Temperature Range                    | 32 to 104°F (0 to 40°C)                                                                                                                                                                                                                              |
| Storage Temperature Range                      | 14 to 158 F (-10 to 70 C)                                                                                                                                                                                                                            |



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|                                              |                                     |
|----------------------------------------------|-------------------------------------|
| Relative Humidity                            | 0% to 85%, Non-Condensing           |
| <b>COMMUNICATIONS</b>                        |                                     |
| Max 1024 x 768 Range (ft)                    | 150                                 |
| Max 480P Range (ft)                          | 152                                 |
| Max 1440 x 900 Range (ft)                    | 150                                 |
| Max 1080i Range (ft)                         | 150                                 |
| Max 480i Range (ft)                          | 152                                 |
| Max 640 x 480 Range (ft)                     | 150                                 |
| Max 800 x 600 Range (ft)                     | 150                                 |
| Max 1600 x 1200 Range (ft)                   | 150                                 |
| EDID Compatible                              | No                                  |
| IR Remote Extension Support                  | No                                  |
| RS-232 Serial Extension Support              | No                                  |
| Consumer Electronics Control (CEC) Supported | No                                  |
| USB Extension Support                        | No                                  |
| <b>CONNECTIONS</b>                           |                                     |
| Number of Ports                              | 1                                   |
| Side A - Connector 1                         | DISPLAYPORT (FEMALE)                |
| Side B - Connector 1                         | DISPLAYPORT (FEMALE)                |
| <b>FEATURES &amp; SPECIFICATIONS</b>         |                                     |
| Displayport Specification                    | 1.1a                                |
| Driver Required                              | No                                  |
| 10/100 Ethernet Extension Support            | No                                  |
| Built-In Equalizer                           | Yes                                 |
| <b>STANDARDS &amp; COMPLIANCE</b>            |                                     |
| External Power Supply Certifications         | FCC; WEEE; UL; cUL                  |
| Product Compliance                           | RoHS; CE (Europe); REACH; FCC (USA) |
| <b>WARRANTY</b>                              |                                     |
| Product Warranty Period (Worldwide)          | 3-year limited warranty             |



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Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies:

<https://www.tripplite.com/products/product-certification-agencies>