

# 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

The B121-000 DisplayPort Signal Extender increases the distance a DisplayPort signal can be transmitted beyond the recommended 16 feet (4.9 meters). It supports computer video resolutions up to 1920 x 1200 at 60Hz and HD resolutions up to 1080p at 60 Hz, as well as a maximum distance of 150 feet (45.7 meters) from the source. Use P580-Series DisplayPort cables in most applications. When extending a 1920 x 1200 at 60 Hz (or 1080p at 60 Hz) video signal more than 100 feet (30.5 meters), use cable made with 24 AWG wiring. Simply connect the longer cable between the source and the B121-000, and the shorter cable (16 feet 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. (45.7 m) from the source
- Supports computer video resolutions up to 1920 x 1200 at 60 Hz, and HD resolutions up to 1080p at 60 Hz
- Use P580-Series Displayport Cables
- When extending a 1920x1200 at 60 Hz (or 1080p at 60 Hz) video signal more than 100-ft. (30.5 m), use a cable made with 24 AWG wiring
- 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 |
| Technology   | DisplayPort    |

## 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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|                                           |                                                  |
|-------------------------------------------|--------------------------------------------------|
| 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            | 1920 x 1080 (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>                              |                                                  |
| AC Power Adapter Plug(s)                  | NEMA 1-15P North America                         |
| AC Power Adapter Input Specs (V / Hz / A) | 100-240V / 50/60Hz / 0.35A                       |
| AC Power Adapter Output Specs (V / A)     | 5V / 2A                                          |
| AC Power Adapter Cord Length (ft.)        | 4.5                                              |
| AC Power Adapter Cord Length (m)          | 1.38                                             |
| 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                                              |



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|                                              |                                                                                                                                                                                                                                                      |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Length (ft.)                         | 0.2                                                                                                                                                                                                                                                  |
| Product Length (m)                           | 0.061                                                                                                                                                                                                                                                |
| <b>POWER</b>                                 |                                                                                                                                                                                                                                                      |
| Power Source Type                            | AC Adapter                                                                                                                                                                                                                                           |
| 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.                                                                                                                                                                                                |
| DC Barrel Plug                               | OD: 5.5 x 2.1 x 9.5mm, Positive Pin, Negative Sleeve                                                                                                                                                                                                 |
| <b>CONNECTIONS</b>                           |                                                                                                                                                                                                                                                      |
| Number of Ports                              | 1                                                                                                                                                                                                                                                    |
| Side A - Connector 1                         | DISPLAYPORT (FEMALE)                                                                                                                                                                                                                                 |
| Side B - Connector 1                         | DISPLAYPORT (FEMALE)                                                                                                                                                                                                                                 |
| Daisy-chainable / Cascadable                 | No                                                                                                                                                                                                                                                   |
| <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>                              |                                                                                                                                                                                                                                                      |
| Color                                        | Black                                                                                                                                                                                                                                                |
| Material of Construction                     | Plastic                                                                                                                                                                                                                                              |
| Included Mounting Accessories                | No                                                                                                                                                                                                                                                   |
| Number of Displays                           | 1                                                                                                                                                                                                                                                    |
| Form Factor/Mounting Options                 | Box                                                                                                                                                                                                                                                  |
| Shipping Dimensions (hwd / in.)              | 6.00 x 2.25 x 7.20                                                                                                                                                                                                                                   |
| Shipping Dimensions (hwd / cm)               | 15.24 x 5.72 x 18.29                                                                                                                                                                                                                                 |
| Shipping Weight (lbs.)                       | 0.60                                                                                                                                                                                                                                                 |
| Shipping Weight (kg)                         | 0.27                                                                                                                                                                                                                                                 |
| Unit Dimensions (hwd / in.)                  | 2.400 x 2.040 x 0.940                                                                                                                                                                                                                                |
| Unit Packaging Type                          | Box                                                                                                                                                                                                                                                  |
| Unit Weight (lbs.)                           | 0.1                                                                                                                                                                                                                                                  |
| Unit Weight (kg)                             | 0.05                                                                                                                                                                                                                                                 |
| Housing                                      | Plastic                                                                                                                                                                                                                                              |
| <b>ENVIRONMENTAL</b>                         |                                                                                                                                                                                                                                                      |



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|                                              |                                                                 |
|----------------------------------------------|-----------------------------------------------------------------|
| Operating Temperature Range                  | 32° to 104°F (0° to 40°C)                                       |
| Storage Temperature Range                    | 14° to 158°F (-10° to 70°C)                                     |
| 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>FEATURES &amp; SPECIFICATIONS</b>         |                                                                 |
| 10/100 Ethernet Extension Support            | No                                                              |
| Built-In Equalizer                           | Yes                                                             |
| Displayport Specification                    | 1.1a                                                            |
| Driver Required                              | No                                                              |
| <b>STANDARDS &amp; COMPLIANCE</b>            |                                                                 |
| External Power Supply Certifications         | FCC; WEEE; UL; cUL                                              |
| Product Compliance                           | RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA) |
| <b>WARRANTY &amp; SUPPORT</b>                |                                                                 |
| Product Warranty Period (Worldwide)          | 3-year limited warranty                                         |

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