

## DisplayPort over Fiber Extender Kit, Transmitter/Receiver, 4K, 4:4:4, RS-232, IR, Multimode LC, 985 ft. (300 m), TAA

MODEL NUMBER: B127F-1A1-MM-DD











Transmitter/receiver kit extends a 4K DisplayPort signal via multimode fiber cable to a DisplayPort monitor up to 985 ft. away.

#### **Features**

DisplayPort Extender for Digital Signage or Displaying Video in Schools or Trade Show Booths This complete transmitter and receiver system is recommended for video presentations in conference rooms, schools, trade shows, meeting facilities, houses of worship, retail settings and digital signage applications where the source and display are farther apart than conventional A/V cables allow. The B127F-1A1-MM-DD extends 4K video and stereo audio signals from a DisplayPort (DP) source device to a DisplayPort monitor up to 985 feet (300 meters) away via user-supplied duplex multimode LC fiber cabling.

Transmits Crystal-Clear 4K DisplayPort Video with Multi-Channel Audio and 4:4:4 ColorThe B127F-1A1-MM-DD supports Ultra HD video resolutions up to 4K x 2K (3840 x 2160) at 30 Hz with full, rich uncompressed DTS-HD, Dolby AC-3 and 8-channel LPCM digital audio. Built-in equalization automatically fine-tunes the image quality at the remote display with no time-consuming manual fiddling needed. It's compatible with HDCP 2.2, DisplayPort 1.2a and EDID standards for carrying HDR (high dynamic range) signals. It also supports 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor.

**DIP Switches Extend Your Choice of USB, IR or RS-232 Signals**The DIP switches on both the transmitter and receiver can be adjusted to let you choose from the USB 1.1, bi-directional IR and RS-232 functions. Only one function can be extended at a time.

Plug-and-Play Operation for Quick Setup and Immediate UseThe included transmitter and receiver units work right out of the box with no software required. Mounting hardware is included for installing the units on walls, poles or 19-inch racks. Connect the transmitter to the source and the receiver to the display with DisplayPort cables (such as P580-Series). Then, connect the two units using a duplex multimode LC fiber cable (N820-Series). Connect an optional display to the transmitter's local HDMI output to monitor the image connected to the receiver up to 985 feet (300 meters) away. The local port allows connection of displays with lower resolutions, such as 720p and 1080p, without affecting the 4K 60 Hz signal transmission to the receiver.

**TAA-Compliant for GSA Schedule Purchases**The B127F-1A1-MM-DD is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule

#### **Highlights**

- Delivers UHD picture quality at resolutions up to 3840 x 2160 (4K x 2K) @ 30 Hz
- Supports uncompressed DTS-HD, Dolby AC-3 and 8-channel LPCM digital audio
- Meets DisplayPort 1.2a standards, including 4:4:4 subsampling for HDR televisions
- Local HDMI port allows displays with different resolutions without affecting 4K signal
- Plug-and-play operation with no software required for easy, immediate installation

#### **Applications**

- Connect a media server, cable/satellite box, gaming system or other home theater component to a large-screen 4K television or projector
- Upgrade the video quality of your trade show presentation or digital signage installation in a commercial or educational setting to 4K x 2K

### **System Requirements**

- Source device with DisplayPort output (media server, laptop)
- Display device with DisplayPort input (HDTV, projector, monitor)
- Fiber Patch Cables supporting 10Gb or higher

#### **Package Includes**

- Transmitter unit
- Receiver unit
- (2) External power supplies with 4.5-ft. (1.37 m) cord (Input: 100-240V, 50/60 Hz, 0.35A; Output: 5V 2A)
- (8) International plug adapters (North America, Europe, Australia, United Kingdom)
- (2) Sets of mounting hardware
- Owner's manual



and other federal procurement contracts.

# **Specifications**

OVER VIEW           UPC Code         037332239167           Product Type         Extender Kit           Technology         DisplayPort; HDM; IR; Fiber           Mode Type         Multimode           VIEW           VIEW           Video Input         DISPLAYPORT (FEMALE)           Max Supported Video Resolution         3840 x 2160 (4K @ 30Hz)           Max 1280 x 720 (720p) Range (ft)         984           Max 1280 x 1200 (1080p) Range (ft)         984           Max 1920 x 1800 (1080p) Range (ft)         984           Max 2560 x 1600 Range (ft)         984           Max 3540 x 1200 Range (ft)         984           Max 3540 x 160 (4K @ 30Hz)         984           Transmitter Video Input         DisplayPort           Transmitter Video Input         DisplayPort           Transmitter Video Input         DisplayPort           Receiver T-Number of Video         1           Receiver T-Number of Video Output         DisplayPort           Receiver T-Number of Video Output         0           Max Supported Color Depth         24-bit True Color           HDR Support         No           3D Video Supported         Yes           Chroma Sub Sampling         4-4-4			
Product Type         Extender Kit           Technology         DisplayPort, HDMI; IR; Fiber           Mode Type         Multimode           VIDEO           Video Input         DISPLAYPORT (FEMALE)           Video Output         DISPLAYPORT (FEMALE)           Max Supported Video Resolution         3840 x 2160 (4K @ 30Hz)           Max 1280 x 720 (720p) Range (ft)         984           Max 1920 x 1080 (1080p) Range (ft)         984           Max 2560 x 1600 Range (ft)         984           Max 2560 x 1600 Range (ft)         984           Max 3840 x 210 (4K @ 30Hz)         984           Range (ft) 2160 (4K @ 30Hz)         984           Transmitter - Number of Video         1           Transmitter - Number of Video         1           Transmitter - Number of Video Output         1           Receiver - Number of Video Output         DisplayPort           Receiver - Number of Video Output         DisplayPort           Max Supported Color Depth         24-bit True Color           HDR Support         No           3D Video Supported         Yes           Chroma Sub Sampling         4:4:4           Maximum Signal Range (ft)         985           Aution         Displayport <th>OVERVIEW</th> <th></th>	OVERVIEW		
DisplayPort; HDMI; IR; Fiber	UPC Code	037332239167	
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Audio Input Displayport	Maximum Signal Range (m)	300	
	AUDIO		
Audio Output Displayport	Audio Input	Displayport	
	Audio Output	Displayport	



Audio Specification	True uncompressed 8-channel LPCM, AC-3, DTS digital audio
INPUT	
AC Power Adapter Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; 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
Bus Powered	No
POWER	
Power Source Type	AC Adapter
AC Plug Type	NEMA 1-15P; BS1363; CEE 7/16 Schuko; AS/NZS 3112
Power Source	Transmitter and Receiver (Included)
Power Over Cable (PoC) Support	No
DC Barrel Plug	OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve
USER INTERFACE, ALERTS & CON	TROLS
LED Indicators	Tx: x3 ORANGE (Link Indicator, Local, Source Connectio), x1 Green (Power) RX: x1 Orange (Link Indicator), x1 Green (Power)
PHYSICAL	
Color	Black
Material of Construction	Metal
Included Mounting Accessories	Wallmount
Number of Displays	1
Form Factor/Mounting Options	Box; Wall-mount
Rackmountable	Yes
Receiver Unit Dimensions (hwd / in.)	5.04 x 1.17 x 3.94
Receiver Unit Weight (lbs.)	0.5
Transmitter Unit Dimensions (hwd / in.)	5.04 x 1.17 x 3.94
Transmitter Unit Weight (lbs.)	0.5
Unit Packaging Type	Вох
Housing	Metal
ENVIRONMENTAL	



Operating Temperature Range	32° to 104°F (0° to 40°C)	
Storage Temperature Range	5° to 122°F (-15° to 50°C)	
Relative Humidity	0% to 85% RH, Non-Condensing	
COMMUNICATIONS		
Signal Range (ft.)	985	
Signal Range (m)	300	
Wavelength	850nm	
EDID Compatible	Yes	
IR Remote Extension Support	Yes	
RS-232 Serial Extension Support	Yes	
Consumer Electronics Control (CEC) Supported	Yes	
USB Extension Support	Yes	
CONNECTIONS		
Side A - Connector 1	MICRO-USB B (FEMALE)	
Side A - Connector 2	DISPLAYPORT (FEMALE); HDMI (FEMALE); LC DUPLEX (FEMALE)	
Side B - Connector 1	(2) USB A (FEMALE)	
Side B - Connector 2	DISPLAYPORT (FEMALE); LC DUPLEX (FEMALE)	
Daisy-chainable / Cascadable	No	
FEATURES & SPECIFICATIONS		
USB Specification	USB 1.1 (up to 12 Mbps)	
10/100 Ethernet Extension Support	No	
Built-In Equalizer	Yes	
Displayport Specification	1.2a	
HDCP Specification	1.4; 2.2	
Driver Required	No	
STANDARDS & COMPLIANCE		
External Power Supply Certifications	CCC; CE; FCC; GS; PSE; TUV; UL; cUL	
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA)	
WARRANTY & SUPPORT		
Product Warranty Period (Worldwide)	1-year limited warranty	







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