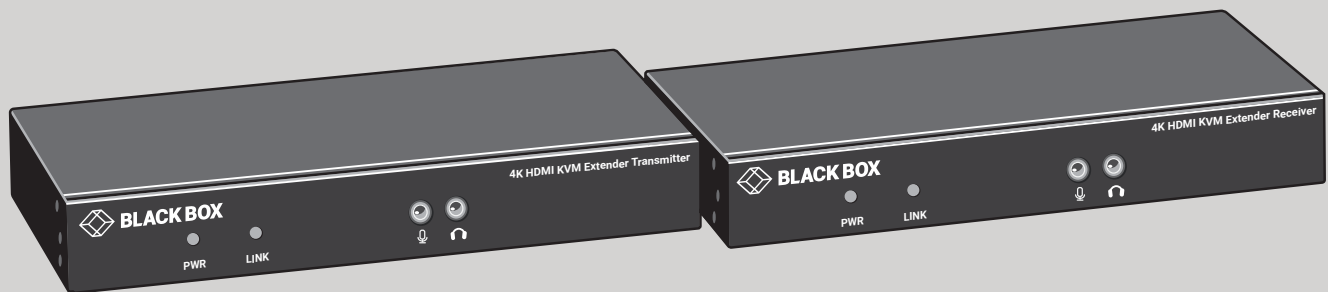


DATA SHEET

KVXLCH-100, KVXLCHF-100, KVXLCH-200, KVXLCHF-200, KVXLCHDP-200, KVXLCHDPF-200

KVX SERIES 4K HDMI KVM EXTENDERS

24/7 TECHNICAL SUPPORT AT 877.877.2269 OR VISIT BLACKBOX.COM



BLACK BOX

OVERVIEW

KVX SERIES 4K HDMI KVM EXTENDERS DATA SHEET

INTRODUCTION

The KVX Series are the Black Box® low-cost 4K HDMI KVM extenders. In a point-to-point configuration, the single-head models enable you to locally use an HDMI monitor, USB keyboard/mouse/other devices, speaker and microphone to operate a remote computer, server, or other IT device. The dual-head models enable you to use an HDMI and/or DisplayPort input and local output. Operation is plug-and-play.

Six versions are available:

- KVX Series 4K HDMI Single-Head KVM CATx Extender (KVXLCH-100)
- KVX Series 4K HDMI Single-Head KVM Fiber Extender (KVXLCHF-100)
- KVX Series 4K HDMI Dual-Head KVM CATx Extender (KVXLCH-200)
- KVX Series 4K HDMI Dual-Head KVM Fiber Extender (KVXLCHF-200)
- KVX Series 4K HDMI DisplayPort Dual-Head KVM CATx Extender (KVXLCHDP-200)
- KVX Series 4K HDMI DisplayPort Dual-Head KVM Fiber Extender (KVXLCHDPF-200)

FEATURES

- SINGLE-HEAD MODELS OFFER HDMI INPUT AND HDMI OUTPUT VIDEO QUALITY UP TO 4K @ 30 HZ
- DUAL-HEAD MODELS OFFER HDMI AND DISPLAYPORT INPUT AND DUAL HDMI OUTPUT VIDEO QUALITY UP TO 4K @ 30 HZ
- VIDEO/USB/RS-232/AUDIO BASIC EXTENSION DISTANCE IS 330 FEET (100 METERS) OVER CAT5E/6/7
- VIDEO/USB/RS-232/AUDIO BASIC EXTENSION DISTANCE IS UP TO 18.6 MILES (30 KM) USING A SINGLE-MODE SFP TRANSCEIVER MODULE OR MULTIMODE SFP FOR SHORTER DISTANCES
- THE HDMI KVM CONSOLE EXTENDER LETS YOU CONTROL AN HDMI OR DISPLAYPORT SERVER, OR COMPUTER OVER SINGLE-MODE OR MULTIMODE FIBER OPTIC CABLE AT DISTANCES OF UP TO 30 KM (DEPENDING ON THE SFP USED, FIBER TYPE, AND FIBER BANDWIDTH*)
- SUPPORTS TRANSPARENT USB EXTENSION VIA TWO USB 2.0 PORTS PLUS TWO USB 1.1 PORTS FOR USB HUBS OR USB HIDS SUCH AS TOUCHSCREENS, PRINTERS, BARCODE READERS, KEYBOARDS AND MICE
- SUPPLIES BIDIRECTIONAL ANALOG LINE-IN/LINE-OUT EXTENSION AND SERIAL RS-232 EXTENSION
- SUPPORTS 4K HDMI LOCAL VIDEO OUTPUT ON SINGLE-HEAD TRANSMITTERS AND (1) HDMI AND (1) DISPLAYPORT LOCAL OUTPUTS ON DUAL-HEAD TRANSMITTERS
- DUAL-HEAD MODELS SUPPORT (1) HDMI AND (1) DISPLAYPORT INPUTS ON THE TRANSMITTERS TO ACCOMMODATE VIDEO CARDS WITH MULTIPLE OUTPUTS, AND (2) HDMI OUTPUTS ON THE RECEIVERS

*NOTE: Reference the supported SFP chart on page 4.

COMPARISON CHART

FEATURES COMPARISON CHART				
	KVXLCH-100 OR KVXLCH-200	KVXLCHF-100 or KVXLCHF-200	KVXLCHDP-200	KVXLCHDPF-200
AUDIO	YES	YES	YES	YES
RS-232	YES	YES	YES	YES
TX LOCAL OUT CONNECTORS	(1) HDMI (-100 ONLY)	(1) HDMI (-100 ONLY)	(1) HDMI, (1) DISPLAYPORT	(1) HDMI, (1) DISPLAYPORT
TX INPUT CONNECTORS	(1) OR (2) HDMI	(1) OR (2) HDMI	(1) HDMI, (1) DISPLAYPORT	(1) HDMI, (1) DISPLAYPORT
RX OUTPUT CONNECTORS	(1) OR (2) HDMI	(1) OR (2) HDMI	(2) HDMI	(2) HDMI
MEDIA	TWISTED-PAIR	FIBEROPTIC	TWISTED-PAIR	FIBEROPTIC
MAXIMUM DISTANCE	328 FEET (100 M)	UP TO 18.6 MILES (30 KM), DEPENDING ON SFP USED	328 FEET (100 M)	UP TO 18.6 MILES (30 KM), DEPENDING ON SFP USED
LEVEL	ENTRY-LEVEL	ENTRY-LEVEL	ENTRY-LEVEL	ENTRY-LEVEL



SPECIFICATIONS

KVX SERIES HDMI KVM CATX EXTENDERS (KVXLCH-100)

FRONT VIEW



CATx Transmitter

BACK VIEW



CATx Transmitter

FRONT VIEW



CATx Receiver

BACK VIEW



CATx Receiver

WHAT'S INCLUDED WITH THE KVXLCH-100

- (1) TRANSMITTER
- (1) RECEIVER
- (2) 5V, 2A POWER SUPPLIES (INCLUDES US, EU, AND UK PLUG TYPES)
- (1) HDMI CABLE 1.2M (4 FT.)
- (1) 3.5MM AUDIO CABLE 1.8M (6 FT.)
- (1) USB-B TO USB-A CABLE 1.8M (6 FT.)
- (2) DESKMOUNT KITS WITH SCREWS (KVXLC-DMK)

SPECIFICATIONS FOR KVX SERIES HDMI KVM CATX EXTENDER (KVXLCH-100)

SPECIFICATION	CATX TRANSMITTER	CATX RECEIVER
CONNECTORS	Host connection: Video Input: (1) HDMI female Serial Control Port: (1) DB9 female Link Port: (1) RJ-45 female USB: (1) USB Type B female Audio: (1) Line in, (1) Line out; Local Video Output: (1) HDMI female	Console connection: Video Output: (1) HDMI female Serial Control Port: (1) DB9 male Link Port: (1) RJ-45 female USB 2.0: (4) USB Type A female Audio: (1) Mic In, (1) Speaker Out
DISTANCE	CATx cable: Up to 328 ft. (100 m)	CATx cable: Up to 328 ft. (100 m)
INDICATORS	(1) Power LED (red), (1) Link LED (green)	(1) Power LED (red), (1) Link LED (green)
MAXIMUM RESOLUTION	4K @ 30 Hz, 3840 x 2160 @ 30 Hz	4K @ 30 Hz, 3840 x 2160 @ 30 Hz
DDC SUPPORTED	DDC, DDC2, DDC2B	DDC, DDC2, DDC2B
HOUSING MATERIAL	Metal chassis	Metal chassis
OPERATING SYSTEM	OS independent	OS independent
ENVIRONMENTAL	Operating Temperature: 32 to 122° F (0 to 50° C); Storage Temperature: -4 to +140° F (-20 to +60° C); Operating Humidity: 0 to 80%, noncondensing	Operating Temperature: 32 to 122° F (0 to 50° C); Storage Temperature: -4 to +140° F (-20 to +60° C); Operating Humidity: 0 to 80%, noncondensing
POWER	External 5-VDC, 2-A power supply	External 5-VDC, 2-A power supply
DIMENSIONS	0.83" H x 7.09" W x 3.27" D (2.1 x 18 x 8.3 cm)	0.83" H x 7.09" W x 3.27" D (2.1 x 18 x 8.3 cm)
WEIGHT	0.82 lb. (0.372 kg)	0.83 lb. (0.378 kg)

SPECIFICATIONS

KVX SERIES HDMI KVM FIBER EXTENDERS (KVXLCHF-100)



WHAT'S INCLUDED WITH THE KVXLCHF-100

- (1) TRANSMITTER
- (1) RECEIVER
- (2) 5V, 2A POWER SUPPLIES (INCLUDES US, EU, AND UK PLUG TYPES)
- (1) HDMI CABLE, M/M 1.2M (4 FT.)
- (1) USB TYPE A TO B CABLE, M/M 1.8M (6 FT.)
- (1) 3.5MM DUAL AUDIO/MIC CABLE, M/M 1.8M (6 FT.)
- (2) DESKMOUNT KITS WITH SCREWS (KVXLC-DMK)

NOTE: SFP not included, must be ordered separately. See the chart below.

SPECIFICATIONS FOR KVX SERIES HDMI KVM FIBER EXTENDER (KVXLCHF-100)		
SPECIFICATION	FIBER TRANSMITTER	FIBER RECEIVER
CONNECTORS	Host connection: Video Input: (1) HDMI female Serial Control Port: (1) DB9 female Link Port: (1) SFP cage USB: (1) USB Type B female Audio: (1) Line in, (1) Line out; Local Video Output: (1) HDMI female	Console connection: Video Output: (1) HDMI female Serial Control Port: (1) DB9 male Link Port: (1) SFP cage USB 2.0: (4) USB Type A female Audio: (1) Mic In, (1) Speaker Out
DISTANCE	Fiber optic cable: Up to 18.6 miles (30 km), depending on SFP used	Fiber optic cable: Up to 18.6 miles (30 km), depending on SFP used
INDICATORS	(1) Power LED	(1) Power LED
MAXIMUM RESOLUTION	4K @ 30 Hz, 3840 x 2160 @ 30 Hz	4K @ 30 Hz, 3840 x 2160 @ 30 Hz
DDC SUPPORTED	DDC, DDC2, DDC2B	DDC, DDC2, DDC2B
HOUSING MATERIAL	Metal chassis	Metal chassis
OPERATING SYSTEM	OS independent	OS independent
ENVIRONMENTAL	Operating Temperature: 32 to 122° F (0 to 50° C); Storage Temperature: -4 to +140° F (-20 to +60° C); Operating Humidity: 0 to 80%, noncondensing	Operating Temperature: 32 to 122° F (0 to 50° C); Storage Temperature: -4 to +140° F (-20 to +60° C); Operating Humidity: 0 to 80%, noncondensing
POWER	External 5-VDC, 2-A power supply	External 5-VDC, 2-A power supply
DIMENSIONS	0.83" H x 7.09" W x 3.27" D (2.1 x 18 x 8.3 cm)	0.83" H x 7.09" W x 3.27" D (2.1 x 18 x 8.3 cm)
WEIGHT	0.82 lb. (0.372 kg) (no SFP)	0.83 lb. (0.378 kg) (no SFP)

NOTE: SFP not included, must be ordered separately. See the chart below.

COMPATIBLE SFP MODULES		
PART NUMBER	DESCRIPTION	DISTANCE
1-GBPS CONNECTIONS		
LFP441	SFP 1.25-Gb, 850-nm Multimode Fiber, LC	550 m
LFP442	SFP 1.25-Gb, 1310-nm Single-mode Fiber, LC	20 km
LFP412	SFP with Extended Diagnostics - 1250-Mbps Multimode Fiber, 1310-nm	2 km
LFP413	SFP with Extended Diagnostics - 1250-Mbps Single-Mode Fiber, 1310-nm	10 km
LFP414	SFP with Extended Diagnostics - 1250-Mbps, Singlemode Fiber, 1310-nm	30 km
LFP416	SFP 1250-Mbps, Extended Diagnostics, 10/100/1000BASE-T, SGMII Interface, RJ-45	100 m

NOTE: Other SFPs may work but have not been validated by Black Box, we recommend you use the suggested SFPs to avoid technical incompatibilities.



SPECIFICATIONS

KVX SERIES DUAL-HEAD HDMI KVM CATX EXTENDERS (KVXLCH-200)



WHAT'S INCLUDED WITH THE KVXLCH-200

- (1) TRANSMITTER
- (1) RECEIVER
- (2) 5V, 2A POWER SUPPLIES (INCLUDES US, EU, AND UK PLUG TYPES)
- (2) HDMI CABLES 1.2M (4 FT.)
- (1) 3.5MM AUDIO CABLE 1.8M (6 FT.)
- (1) USB-B TO USB-A CABLE 1.8M (6 FT.)
- (2) DESKMOUNT KITS WITH SCREWS (KVXLC-DMK)

SPECIFICATIONS FOR KVX SERIES DUAL-HEAD HDMI KVM CATX EXTENDER (KVXLCH-200)		
SPECIFICATION	CATX TRANSMITTER	CATX RECEIVER
CONNECTORS	Host connection: Video Input: (2) HDMI female Serial Control Port: (1) DB9 female Link Port: (1) RJ-45 female USB: (1) USB Type B female Audio: (1) Line in, (1) Line out; Local Video Output: (1) HDMI female	Console connection: Video Output: (2) HDMI female Serial Control Port: (1) DB9 male Link Port: (1) RJ-45 female USB 2.0: (4) USB Type A female Audio: (1) Mic In, (1) Speaker Out
DISTANCE	CATx cable: Up to 328 ft. (100 m)	CATx cable: Up to 328 ft. (100 m)
INDICATORS	(1) Power LED (red), (1) Link LED (green)	(1) Power LED (red), (1) Link LED (green)
MAXIMUM RESOLUTION	4K @ 30 Hz, 3840 x 2160 @ 30 Hz	4K @ 30 Hz, 3840 x 2160 @ 30 Hz
DDC SUPPORTED	DDC, DDC2, DDC2B	DDC, DDC2, DDC2B
HOUSING MATERIAL	Metal chassis	Metal chassis
OPERATING SYSTEM	OS independent	OS independent
ENVIRONMENTAL	Operating Temperature: 32 to 122° F (0 to 50° C); Storage Temperature: -4 to +140° F (-20 to +60° C); Operating Humidity: 0 to 80%, noncondensing	Operating Temperature: 32 to 122° F (0 to 50° C); Storage Temperature: -4 to +140° F (-20 to +60° C); Operating Humidity: 0 to 80%, noncondensing
POWER	External 5-VDC, 2-A power supply	External 5-VDC, 2-A power supply
DIMENSIONS	1.1" H x 7.15" W x 3.25" D (2.79 x 18.16 x 8.26 cm)	1.1" H x 7.15" W x 3.25" D (2.79 x 18.16 x 8.26 cm)
WEIGHT	0.82 lb. (0.372 kg)	0.83 lb. (0.378 kg)



SPECIFICATIONS

KVX SERIES DUAL-HEAD HDMI KVM FIBER EXTENDERS (KVXLCHF-200)



WHAT'S INCLUDED WITH THE KVXLCHF-200

- (1) TRANSMITTER
- (1) RECEIVER
- (2) 5V, 2A POWER SUPPLIES (INCLUDES US, EU, AND UK PLUG TYPES)
- (2) HDMI CABLES 1.2M (4 FT.)
- (1) 3.5MM AUDIO CABLE 1.8M (6 FT.)
- (1) USB-B TO USB-A CABLE 1.8M (6 FT.)
- (2) DESKMOUNT KITS WITH SCREWS (KVXLC-DMK)

NOTE: SFP not included, must be ordered separately. See the chart below.

SPECIFICATIONS FOR KVX SERIES DUAL-HEAD HDMI KVM FIBER EXTENDER (KVXLCHF-200)		
SPECIFICATION	FIBER TRANSMITTER	FIBER RECEIVER
CONNECTORS	Host connection: Video Input: (2) HDMI female Serial Control Port: (1) DB9 female Link Port: (1) SFP cage USB: (1) USB Type B female Audio: (1) Line in, (1) Line out; Local Video Output: (1) HDMI female	Console connection: Video Output: (2) HDMI female Serial Control Port: (1) DB9 male Link Port: (1) SFP cage USB 2.0: (4) USB Type A female Audio: (1) Mic In, (1) Speaker Out
DISTANCE	Fiber optic cable: Up to 18.6 miles (30 km), depending on SFP used	Fiber optic cable: Up to 18.6 miles (30 km), depending on SFP used
INDICATORS	(1) Power LED	(1) Power LED
MAXIMUM RESOLUTION	4K @ 30 Hz, 3840 x 2160 @ 30 Hz	4K @ 30 Hz, 3840 x 2160 @ 30 Hz
DDC SUPPORTED	DDC, DDC2, DDC2B	DDC, DDC2, DDC2B
HOUSING MATERIAL	Metal chassis	Metal chassis
OPERATING SYSTEM	OS independent	OS independent
ENVIRONMENTAL	Operating Temperature: 32 to 122° F (0 to 50° C); Storage Temperature: -4 to +140° F (-20 to +60° C); Operating Humidity: 0 to 80%, noncondensing	Operating Temperature: 32 to 122° F (0 to 50° C); Storage Temperature: -4 to +140° F (-20 to +60° C); Operating Humidity: 0 to 80%, noncondensing
POWER	External 5-VDC, 2-A power supply	External 5-VDC, 2-A power supply
DIMENSIONS	1.1" H x 7.15" W x 3.25" D (2.79 x 18.16 x 8.26 cm)	1.1" H x 7.15" W x 3.25" D (2.79 x 18.16 x 8.26 cm)
WEIGHT	0.82 lb. (0.372 kg) (no SFP)	0.83 lb. (0.378 kg) (no SFP)

NOTE: SFP not included, must be ordered separately. See the chart below.

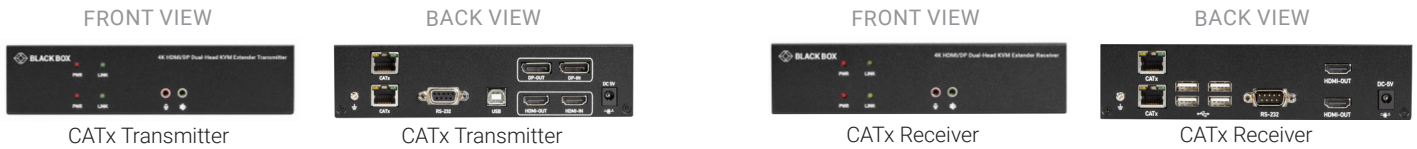
COMPATIBLE SFP MODULES		
PART NUMBER	DESCRIPTION	DISTANCE
1-GBPS CONNECTIONS		
LFP441	SFP 1.25-Gb, 850-nm Multimode Fiber, LC	550 m
LFP442	SFP 1.25-Gb, 1310-nm Single-mode Fiber, LC	20 km
LFP412	SFP with Extended Diagnostics - 1250-Mbps Multimode Fiber, 1310-nm	2 km
LFP413	SFP with Extended Diagnostics - 1250-Mbps Single-Mode Fiber, 1310-nm	10 km
LFP414	SFP with Extended Diagnostics - 1250-Mbps, Singlemode Fiber, 1310-nm	30 km
LFP416	SFP 1250-Mbps, Extended Diagnostics, 10/100/1000BASE-T, SGMII Interface, RJ-45	100 m

NOTE: Other SFPs may work but have not been validated by Black Box, we recommend you use the suggested SFPs to avoid technical incompatibilities.



SPECIFICATIONS

KVX SERIES HDMI/DP DUAL-HEAD KVM CATX EXTENDERS (KVXLCHDP-200)



WHAT'S INCLUDED WITH THE KVXLCHDP-200

- (1) TRANSMITTER
- (1) RECEIVER
- (2) 5V, 2A POWER SUPPLIES (INCLUDES US, EU, AND UK PLUG TYPES)
- (2) HDMI CABLES 1.2M (4 FT.)
- (2) DISPLAYPORT CABLES 1.2M (4 FT.)
- (1) 3.5MM AUDIO CABLE 1.8M (6 FT.)
- (1) USB-B TO USB-A CABLE 1.8M (6 FT.)
- (2) DESKMOUNT KITS WITH SCREWS (KVXLC-DMK)

SPECIFICATIONS FOR KVX SERIES HDMI/DP DUAL-HEAD KVM CATX EXTENDER (KVXLCHDP-200)

SPECIFICATION	CATX TRANSMITTER	CATX RECEIVER
CONNECTORS	Host connection: Video Input: (1) HDMI female, (1) DisplayPort female Serial Control Port: (1) DB9 female Link Port: (1) RJ-45 female USB: (1) USB Type B female Audio: (1) Line in, (1) Line out; Local Video Output: (1) HDMI female, (1) DisplayPort female	Console connection: Video Output: (2) HDMI female Serial Control Port: (1) DB9 male Link Port: (1) RJ-45 female USB 2.0: (4) USB Type A female Audio: (1) Mic In, (1) Speaker Out
DISTANCE	CATx cable: Up to 328 ft. (100 m)	CATx cable: Up to 328 ft. (100 m)
INDICATORS	(1) Power LED (red), (1) Link LED (green)	(1) Power LED (red), (1) Link LED (green)
MAXIMUM RESOLUTION	4K @ 30 Hz, 3840 x 2160 @ 30 Hz	4K @ 30 Hz, 3840 x 2160 @ 30 Hz
DDC SUPPORTED	DDC, DDC2, DDC2B	DDC, DDC2, DDC2B
HOUSING MATERIAL	Metal chassis	Metal chassis
OPERATING SYSTEM	OS independent	OS independent
ENVIRONMENTAL	Operating Temperature: 32 to 122° F (0 to 50° C); Storage Temperature: -4 to +140° F (-20 to +60° C); Operating Humidity: 0 to 80%, noncondensing	Operating Temperature: 32 to 122° F (0 to 50° C); Storage Temperature: -4 to +140° F (-20 to +60° C); Operating Humidity: 0 to 80%, noncondensing
POWER	External 5-VDC, 2-A power supply	External 5-VDC, 2-A power supply
DIMENSIONS	1.1" H x 7.15" W x 3.25" D (2.79 x 18.16 x 8.26 cm)	1.1" H x 7.15" W x 3.25" D (2.79 x 18.16 x 8.26 cm)
WEIGHT	0.84 lb. (0.381 kg)	0.85 lb. (0.386 kg)

SPECIFICATIONS

KVX SERIES HDMI/DP DUAL-HEAD KVM FIBER EXTENDERS (KVXLCHDPF-200)



WHAT'S INCLUDED WITH THE KVXLCHDPF-200

- (1) TRANSMITTER
- (1) RECEIVER
- (2) 5V, 2A POWER SUPPLIES (INCLUDES US, EU, AND UK PLUG TYPES)
- (2) HDMI CABLES 1.2M (4 FT.)
- (2) DISPLAYPORT CABLES 1.2M (4 FT.)
- (1) 3.5MM AUDIO CABLE 1.8M (6 FT.)
- (1) USB-B TO USB-A CABLE 1.8M (6 FT.)
- (2) DESKMOUNT KITS WITH SCREWS (KVXLC-DMK)

NOTE: SFP not included, must be ordered separately. See the chart below.

SPECIFICATIONS FOR KVX SERIES HDMI/DP DUAL-HEAD KVM FIBER EXTENDER (KVXLCHDPF-200)		
SPECIFICATION	FIBER TRANSMITTER	FIBER RECEIVER
CONNECTORS	Host connection: Video Input: (1) HDMI female, (1) DisplayPort female Serial Control Port: (1) DB9 female Link Port: (1) SFP cage USB: (1) USB Type B female Audio: (1) Line in, (1) Line out; Local Video Output: (1) HDMI female, (1) DisplayPort female	Console connection: Video Output: (2) HDMI female Serial Control Port: (1) DB9 male Link Port: (1) SFP cage USB 2.0: (4) USB Type A female Audio: (1) Mic In, (1) Speaker Out
DISTANCE	Fiberoptic cable: Up to 18.6 miles (30 km), depending on SFP used	Fiberoptic cable: Up to 18.6 miles (30 km), depending on SFP used
INDICATORS	(1) Power LED	(1) Power LED
MAXIMUM RESOLUTION	4K @ 30 Hz, 3840 x 2160 @ 30 Hz	4K @ 30 Hz, 3840 x 2160 @ 30 Hz
DDC SUPPORTED	DDC, DDC2, DDC2B	DDC, DDC2, DDC2B
HOUSING MATERIAL	Metal chassis	Metal chassis
OPERATING SYSTEM	OS independent	OS independent
ENVIRONMENTAL	Operating Temperature: 32 to 122° F (0 to 50° C); Storage Temperature: -4 to +140° F (-20 to +60° C); Operating Humidity: 0 to 80%, noncondensing	Operating Temperature: 32 to 122° F (0 to 50° C); Storage Temperature: -4 to +140° F (-20 to +60° C); Operating Humidity: 0 to 80%, noncondensing
POWER	External 5-VDC, 2-A power supply	External 5-VDC, 2-A power supply
DIMENSIONS	1.1" H x 7.15" W x 3.25" D (2.79 x 18.16 x 8.26 cm)	1.1" H x 7.15" W x 3.25" D (2.79 x 18.16 x 8.26 cm)
WEIGHT	0.84 lb. (0.381 kg) (no SFP)	0.85 lb. (0.386 kg) (no SFP)

NOTE: SFP not included, must be ordered separately. See the chart below.

COMPATIBLE SFP MODULES		
PART NUMBER	DESCRIPTION	DISTANCE
1-GBPS CONNECTIONS		
LFP441	SFP 1.25-Gb, 850-nm Multimode Fiber, LC	550 m
LFP442	SFP 1.25-Gb, 1310-nm Single-mode Fiber, LC	20 km
LFP412	SFP with Extended Diagnostics - 1250-Mbps Multimode Fiber, 1310-nm	2 km
LFP413	SFP with Extended Diagnostics - 1250-Mbps Single-Mode Fiber, 1310-nm	10 km
LFP414	SFP with Extended Diagnostics - 1250-Mbps, Singlemode Fiber, 1310-nm	30 km
LFP416	SFP 1250-Mbps, Extended Diagnostics, 10/100/1000BASE-T, SGMII Interface, RJ-45	100 m

NOTE: Other SFPs may work but have not been validated by Black Box, we recommend you use the suggested SFPs to avoid technical incompatibilities.



