KVXLC-100, KVXLCF-100

KVX SERIES DVI KVM-IP EXTENDERS

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





OVERVIEW

KVX SERIES DVI KVM-IP EXTENDERS DATA SHEET

INTRODUCTION

The KVX Series are the Black Box low-cost DVI KVM-IP extenders. In a point-to-point configuration, they enable you to locally use a DVI/VGA monitor, USB keyboard/mouse/other devices, speaker and microphone to operate a remote computer, server, or other IT device.

In a plug-and-play based Unicast application, either GUI or serial control setup is required.

Two versions are available:

- KVX Series DVI KVM-IP CATx Extender (KVXLC-100)
- KVX Series DVI KVM-IP Fiber Extender (KVXLCF-100)

FEATURES

- OFFERS DVI-I (DVI AND VGA) INPUT/OUTPUT VIDEO QUALITY UP TO 1920 X 1200 @ 60 HZ
- VIDEO/USB/RS-232/AUDIO BASIC EXTENSION DISTANCE IS 330 FEET (100 METERS) OVER CAT5E/6 OR UP TO 3300 FEET (1000 M) VIA GIGABIT ETHERNET SWITCH DAISYCHAINING
- VIDEO/USB/RS-232/AUDIO BASIC EXTENSION DISTANCE
 IS 33,000 FEET (10 KM) USING A SINGLE-MODE SFP TRANSCEIVER
 MODULE OR MULTIMODE SFP FOR SHORTER DISTANCES
- 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

COMPARISON CHART

FEATURES COMPARISON CHART							
KVXLC-100 KVXLCF-100							
AUDIO	YES	YES					
RS-232	232 YES YES						
LOCAL OUT CONNECTOR	YES	YES					
POE	NO	NO					
MEDIA	TWISTED-PAIR	FIBEROPTIC					
MAXIMUM DISTANCE	328 FEET (100 M)	33,000 FEET (10 KM)					
IR EXTENSION	NO	NO					
LEVEL	ENTRY-LEVEL	ENTRY-LEVEL					



SPECIFICATIONS

KVX SERIES DVI KVM-IP CATX EXTENDERS (KVXLC-100)

FRONT VIEW

BACK VIEW

FRONT VIEW

BACK VIEW









CATx Transmitter

CATx Transmitter

CATx Receiver

CATx Receiver

WHAT'S INCLUDED WITH THE KVXLC-100

- (1) DVI KVM-IP CATX EXTENDER TRANSMITTER
- (1) DVI KVM-IP CATX EXTENDER RECEIVER
- (2) 5-VDC, 2-A POWER SUPPLIES

SPECIFICATIONS FOR KV	/X SERIES DVI KVM-IP CATX EXTENDER (KVXLC-10	00)
SPECIFICATION	CATX TRANSMITTER	CATX RECEIVER
CONNECTORS	Host connection: Video Input: (1) DVI-I female Link Port: (1) RJ-45 female USB: (1) USB Type B female Audio: (1) Line in, (1) Line out; Local Video Output: (1) DVI-I female	Console connection: Video Output: (1) DVI-I female Serial Control Port: (1) DB9 male Link Port: (1) RJ-45 female USB: (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	(1) Power LED
MAXIMUM RESOLUTION	1920 x 1200 @ 60 Hz	1920 x 1200 @ 60 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	1.06"H x 3.27"W x 7.09"D (2.7 x 8.3 x 18 cm)	1.06"H x 3.27"W x 7.09"D (2.7 x 8.3 x 18 cm)
WEIGHT	0.79 lb. (0.36 kg)	0.84 lb. (0.38 kg)

SPECIFICATIONS

KVX SERIES DVI KVM-IP FIBER EXTENDERS (KVXLCF-100)

FRONT VIEW BACK VIEW FRONT VIEW





BACK VIEW

Fiber Transmitter

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Fiber Transmitter

Fiber Receiver

Fiber Receiver

WHAT'S INCLUDED WITH THE KVXLCF-100

- (1) DVI KVM-IP FIBER EXTENDER TRANSMITTER
- (1) DVI KVM-IP FIBER EXTENDER RECEIVER
- (2) 5-VDC, 2-A POWER SUPPLIES

SPECIFICATIONS FOR KVX SERIES DVI KVM-IP FIBER EXTENDER (KVXLCF-100)				
SPECIFICATION	FIBER TRANSMITTER	FIBER RECEIVER		
CONNECTORS	Host connection: Video Input: (1) DVI-I female Link Port: (1) SFP cage USB: (1) USB Type B female Audio: (1) Line in, (1) Line out; Local Video Output: (1) DVI-I female	Console connection: Video Output: (1) DVI-I female Serial Control Port: (1) DB9 male Link Port: (1) SFP cage USB: (4) USB Type A female Audio: (1) Mic In, (1) Speaker Out		
DISTANCE	Fiberoptic cable: Up to 33,000 ft. (10 km)	Fiberoptic cable: Up to 33,000 ft. (10 km)		
INDICATORS	(1) Power LED	(1) Power LED		
MAXIMUM RESOLUTION	1920 x 1200 @ 60 Hz	1920 x 1200 @ 60 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	1.06"H x 3.27"W x 7.09"D (2.7 x 8.3 x 18 cm)	1.06"H x 3.27"W x 7.09"D (2.7 x 8.3 x 18 cm)		
WEIGHT	0.77 lb. (0.35 kg)	0.81 lb. (0.37 kg)		

COMPATIBLE SFP MODULES				
PART NUMBER	MBER DESCRIPTION DISTAN			
1-GBPS CONNECTIONS				
LFP411	SFP 1250-Mbps, 850-nm Multimode Fiber, LC	550 m		
LFP413	SFP 1250-Mbps, 1310-nm Single-mode Fiber, LC	10 km		
LFP415	SFP 1250-Mbps, Extended Diagnostics, 1000BASE-T, SerDes Interface, RJ-45	100 m		

NOTE: Black Box extenders will also support generic SFP modules.



ORDERING INFORMATION

ITEM	CODE
KVX DVI KVM-IP CATx Extenders	
Transmitter and Receiver Kit	KVXLC-100
KVX DVI KVM-IP Fiber Extenders	
Transmitter and Receiver Kit	KVXLCF-100
NOTE: Kits contain (1) Transmitter and (1) Receiver	

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ABOUT BLACK BOX

Black Box is a world leading technology solutions provider specializing in complete high-performance KVM, professional A/V signal distribution and extension and switching solutions for mission-critical applications. Black Box is dedicated to delivering superior project engineering, technical support, and 24/7 customer service you can rely on for your most critical operations.

Every day, our customers trust us to design, integrate, and maintain reliable control room solutions for broadcasting, post-production, stadiums & arenas, medical, air traffic control, oil & gas, government & military, and utility industries. Leave the tech to us and our comprehensive technology solutions will deliver secure connections, fast-response times, real-time collaboration and more.

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