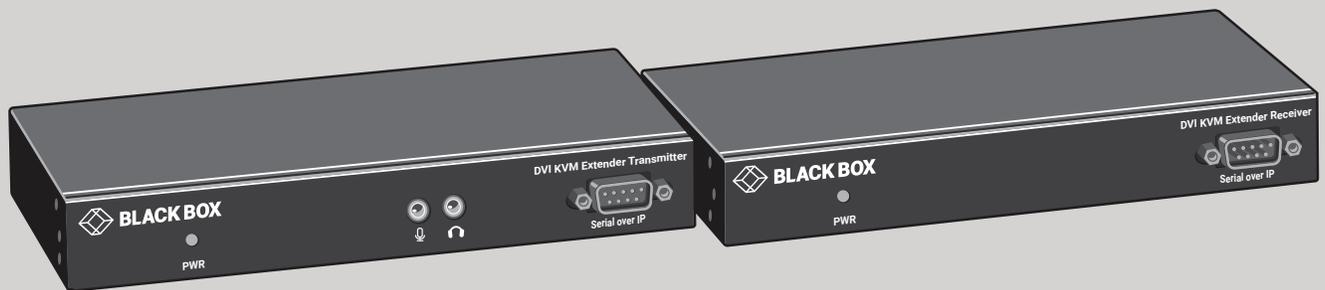


DATA SHEET

KVXLC-100, KVXLCF-100

LC100 SERIES DVI KVM-IP EXTENDERS

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



OVERVIEW

LC100 SERIES DVI KVM-IP EXTENDERS DATA SHEET

INTRODUCTION

The LC100 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:

- LC100 Series DVI KVM-IP CATx Extender (KVXLC-100)
- LC100 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	YES	YES
LOCAL OUT CONNECTOR	NO	NO
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

LC100 SERIES DVI KVM-IP CATX EXTENDERS (KVXLC-100)

FRONT VIEW



CATx Transmitter

BACK VIEW



CATx Transmitter

FRONT VIEW



CATx Receiver

BACK VIEW



CATx Receiver

WHAT'S INCLUDED WITH THE KVXLC-100

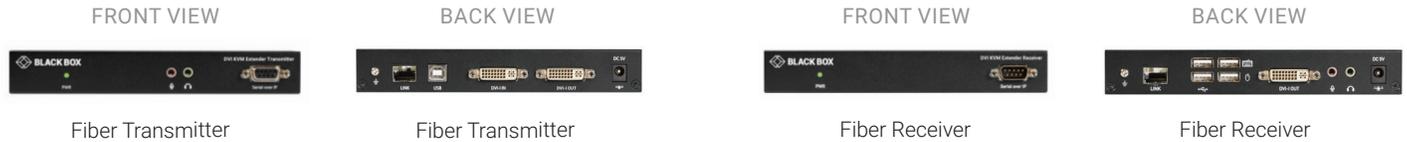
- (1) DVI KVM-IP CATX EXTENDER TRANSMITTER
- (1) DVI KVM-IP CATX EXTENDER RECEIVER
- (2) 5-VDC, 2-A POWER SUPPLIES

SPECIFICATIONS FOR LC100 SERIES DVI KVM-IP CATX EXTENDER (KVXLC-100)		
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

LC100 SERIES DVI KVM-IP FIBER EXTENDERS (KVXLCF-100)



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 LC100 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	DESCRIPTION	DISTANCE
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.



