

# DATA SHEET

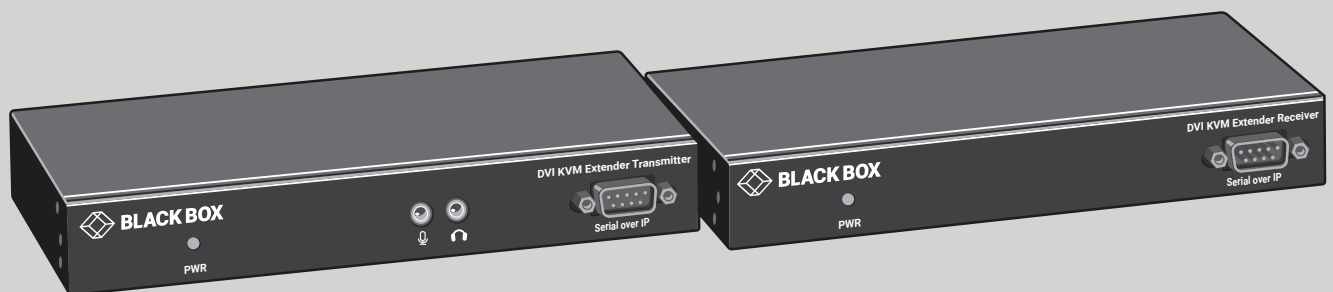
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KVXLC-100, KVXLCF-100

# KVX SERIES DVI KVM-IP EXTENDERS

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24/7 TECHNICAL SUPPORT AT 877.877.2269 OR VISIT [BLACKBOX.COM](http://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                    | 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



CATx Transmitter

BACK VIEW



CATx Transmitter

FRONT VIEW



CATx Receiver

BACK VIEW



CATx Receiver

### WHAT'S INCLUDED WITH THE KVXLC-100

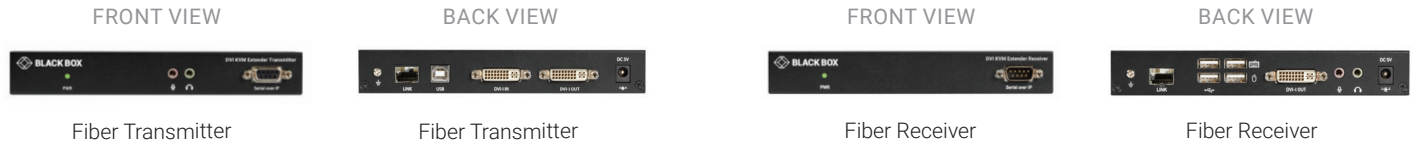
- (1) DVI KVM-IP CATX EXTENDER TRANSMITTER
- (1) DVI KVM-IP CATX EXTENDER RECEIVER
- (2) 5-VDC, 2-A POWER SUPPLIES

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

| SPECIFICATION             | CATX TRANSMITTER  | CATX RECEIVER   |
|---------------------------|---|---|
| <b>CONNECTORS</b>         | Host connection:<br>Video Input: (1) DVI-I female<br>Link Port: (1) RJ-45 female<br>USB: (1) USB Type B female<br>Audio: (1) Line in, (1) Line out;<br>Local Video Output: (1) DVI-I female | Console connection:<br>Video Output: (1) DVI-I female<br>Serial Control Port: (1) DB9 male<br>Link Port: (1) RJ-45 female<br>USB: (4) USB Type A female<br>Audio: (1) Mic In, (1) Speaker Out |
| <b>DISTANCE</b>           | CATx cable: Up to 328 ft. (100 m)   | CATx cable: Up to 328 ft. (100 m)   |
| <b>INDICATORS</b>         | (1) Power LED   | (1) Power LED   |
| <b>MAXIMUM RESOLUTION</b> | 1920 x 1200 @ 60 Hz   | 1920 x 1200 @ 60 Hz   |
| <b>DDC SUPPORTED</b>      | DDC, DDC2, DDC2B  | DDC, DDC2, DDC2B  |
| <b>HOUSING MATERIAL</b>   | Metal chassis   | Metal chassis   |
| <b>OPERATING SYSTEM</b>   | OS independent  | OS independent  |
| <b>ENVIRONMENTAL</b>      | Operating Temperature: 32 to 122° F (0 to 50° C);<br>Storage Temperature: -4 to +140° F (-20 to +60° C);<br>Operating Humidity: 0 to 80%, noncondensing                                     | Operating Temperature: 32 to 122° F (0 to 50° C);<br>Storage Temperature: -4 to +140° F (-20 to +60° C);<br>Operating Humidity: 0 to 80%, noncondensing                                       |
| <b>POWER</b>              | External 5-VDC, 2-A power supply  | External 5-VDC, 2-A power supply  |
| <b>DIMENSIONS</b>         | 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)  |
| <b>WEIGHT</b>             | 0.79 lb. (0.36 kg)  | 0.84 lb. (0.38 kg)  |

# SPECIFICATIONS

## KVX 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 KVX SERIES DVI KVM-IP FIBER EXTENDER (KVXLCF-100) |   |   |
|--|---|---|
| SPECIFICATION  | FIBER TRANSMITTER   | FIBER RECEIVER  |
| <b>CONNECTORS</b>  | Host connection:<br>Video Input: (1) DVI-I female<br>Link Port: (1) SFP cage<br>USB: (1) USB Type B female<br>Audio: (1) Line in, (1) Line out;<br>Local Video Output: (1) DVI-I female | Console connection:<br>Video Output: (1) DVI-I female<br>Serial Control Port: (1) DB9 male<br>Link Port: (1) SFP cage<br>USB: (4) USB Type A female<br>Audio: (1) Mic In, (1) Speaker Out |
| <b>DISTANCE</b>  | Fiberoptic cable: Up to 33,000 ft. (10 km)  | Fiberoptic cable: Up to 33,000 ft. (10 km)  |
| <b>INDICATORS</b>  | (1) Power LED   | (1) Power LED   |
| <b>MAXIMUM RESOLUTION</b>  | 1920 x 1200 @ 60 Hz   | 1920 x 1200 @ 60 Hz   |
| <b>DDC SUPPORTED</b>   | DDC, DDC2, DDC2B  | DDC, DDC2, DDC2B  |
| <b>HOUSING MATERIAL</b>  | Metal chassis   | Metal chassis   |
| <b>OPERATING SYSTEM</b>  | OS independent  | OS independent  |
| <b>ENVIRONMENTAL</b>   | Operating Temperature: 32 to 122° F (0 to 50° C);<br>Storage Temperature: -4 to +140° F (-20 to +60° C);<br>Operating Humidity: 0 to 80%, noncondensing                                 | Operating Temperature: 32 to 122° F (0 to 50° C);<br>Storage Temperature: -4 to +140° F (-20 to +60° C);<br>Operating Humidity: 0 to 80%, noncondensing                                   |
| <b>POWER</b>   | External 5-VDC, 2-A power supply  | External 5-VDC, 2-A power supply  |
| <b>DIMENSIONS</b>  | 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)  |
| <b>WEIGHT</b>  | 0.77 lb. (0.35 kg)  | 0.81 lb. (0.37 kg)  |

| COMPATIBLE SFP MODULES    |  |          |
|---------------------------|--|----------|
| PART NUMBER               | DESCRIPTION  | DISTANCE |
| <b>1-GBPS CONNECTIONS</b> |  |          |
| 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.



