

Product Data Sheet

CATx and Fiber DVI and USB Extenders



ACX310F-R2

OVERVIEW

CATx or Fiber DVI/HDMI + USB Extenders are optimized for state-of-the-art signals such as DVI, HDMI®, and USB. Using just a single CATx cable, the transmission distance can reach up to 426 feet (130 m); using MM fiber cable, up to 1640 feet (500 m).

Three kits are available. Each kit contains a local unit and a remote unit.

- ◆ CATx DVI + USB Extender EC, DVI and Audio (ACX310-R2)
- ◆ DVI-D + USB Fiber Extender EC, DVI Only (ACX310F-R2)
- ◆ DVI-I + USB Extender EC, DVI, VGA, and Audio (ACX310FIA-R2)
- ◆ CATx DVI-I + USB and RS-232 Extender EC (ACX310S-R2)

The transparent USB 2.0 interface supports keyboard, mouse, tablets and touchscreens, sound modules, printers, smartcard readers, serial adapters, and more. The extender supports a switching USB memory option via a memory stick or hard disk. The ACX310-R2 and ACX310FIA-R2 support 3.5-mm bidirectional analog audio. The local port on the ACX310FIA-R2 converts the VGA signal directly to DVI. The ACX310S-R2 also supports serial.

FEATURES

- ◆ CATx models reach up to 426 feet (130 m) distance at 1920 x 1200 maximum resolution
- ◆ Fiber models reach up to 1640 feet (500 m) via multimode fiber optic cable at 1920 x 1200 maximum resolution
- ◆ Extends DVI without loss of quality
- ◆ Automatic plug-and-play installation
- ◆ Includes local and remote monitor
- ◆ Extends transparent USB 2.0 devices
- ◆ Compatible with all CAT5/6/7 cables or multimode 50/125- μ m 850-nm fiber cables, depending on model
- ◆ Provides full HD video performance
- ◆ Flash upgradeable, no special cable required
- ◆ ACX310FIA-R2 supports audio
- ◆ All models support RS-232 via external USB adapters
- ◆ Reliable and rugged design
- ◆ Ultra compact design supports up to four channels in a 19" 1U rack

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PHOTOS: CATX DVI + USB EXTENDER EC (ACX310-R2)

FRONT VIEW



ACX310-R-R2



ACX310-T-R2

BACK VIEW



ACX310-R-R2



ACX310-T-R2

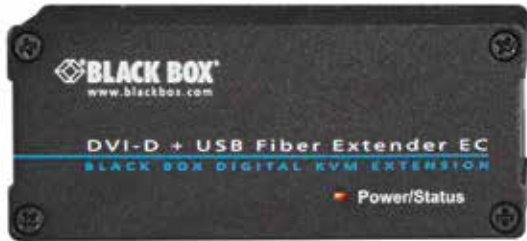
SPECIFICATIONS: CATX DVI + USB EXTENDER EC (ACX310-R2)

Approvals	FCC, TUV, CE, RoHS, WEEE
Connectors	<p>ACX310-R2:</p> <p>Local unit:</p> <ul style="list-style-type: none"> (1) DVI-D output, (1) DVI-D input, (1) USB Type B female, (1) RJ-45 interconnect, (2) 3.5-mm bidirectional analog audio, (1) barrel connection for power; <p>Remote unit:</p> <ul style="list-style-type: none"> (1) DVI-D output, (4) USB Type A female, (1) RJ-45 interconnect, (2) 3.5-mm bidirectional analog audio, (1) barrel connection for power
Distance	Up to 426 feet (130 m)
Indicators	(1) Power LED
Maximum Resolution	1920 x 1200
Material	Anodized aluminum
Operating System	Windows®
Environmental	<p>Operating Temperature: 32 to 113° F (0 to 45° C);</p> <p>Storage Temperature: -4 to +158° F (-20 to +70° C);</p> <p>Operating Humidity: 80%, noncondensing</p>
Power	<p>ACX310-R2: Each unit:</p> <p>Source: External in-line power supply;</p> <p>Input: 100–240 VAC, 50/60 Hz, 0.5 A;</p> <p>Output: 12 V, 1 A,</p> <p>Consumption: 12 W max. (5 W nominal);</p> <p>Power Cord:</p> <ul style="list-style-type: none"> Length: 5 ft. (1.5-m), Input connector type: Wall transformer with country-specific adapters; Output connector type: 2.1 mm x 5 mm x 11 mm
Dimensions	ACX310-R2: Each unit: 1.5"H x 3.9"W x 4"D (4.1 x 9.8 x 10.6 cm)
Weight	<p>0.61 lb. (0.27 kg) each unit;</p> <p>1.2 lb. (0.54 kg) per set</p>

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PHOTOS: DVI-D + USB FIBER EXTENDER EC (ACX310F-R2)

FRONT VIEW



ACX310F-R-R2



ACX310F-T-R2

BACK VIEW



ACX310F-R-R2



ACX310F-T-R2

SPECIFICATIONS: DVI-D + USB FIBER EXTENDER EC (ACX310F-R2)

Approvals	FCC, TUV, CE, RoHS, WEEE
Connectors	ACX310F-R2: Local unit: (1) DVI-D F output, (1) DVI-D input, (1) USB Type B F, (1) SFP cage, LC, (1) 2.1-mm barrel connector for power; Remote unit: (1) DVI-D output, (4) USB Type A F, (1) SFP cage, LC, (1) 2.1-mm barrel connector for power
Distance	Up to 1640 feet (500 m) via multimode fiber optic cable
Indicators	(1) Power LED
Maximum Resolution	1920 x 1200
Material	Anodized aluminum
Operating System	Windows®
Environmental	Operating Temperature: 32 to 113° F (0 to 45° C); Storage Temperature: -4 to +158° F (-20 to +70° C); Operating Humidity: 80%, noncondensing
Power	ACX310F-R2: Source: Internal in-line power supply, Input: 100–240 VAC, 50/60 Hz, 0.5 A, Output: 12 V, 1 A, Consumption: 12 W max. (5 W nominal)
Dimensions	ACX310F-R2: Each unit: 1.6"H x 3.85"W x 4.17"D (4.1 x 9.8 x 10.6 cm)
Weight	0.61 lb. (0.27 kg) each unit; 1.2 lb. (0.54 kg) per set

CATx or Fiber DVI and USB Extenders Data Sheet

PHOTOS: DVI-I + USB AND AUDIO FIBER EXTENDER EC (ACX310FIA-R2)

FRONT VIEW



ACX310FIA-R-R2



ACX310FIA-T-R2

BACK VIEW



ACX310FIA-R-R2



ACX310FIA-T-R2

SPECIFICATIONS: DVI-I + USB AND AUDIO FIBER EXTENDER EC (ACX310FIA-R2)

Approvals	FCC, TUV, CE, RoHS, WEEE
Connectors	<p>ACX310FIA-R2:</p> <p>Local unit:</p> <ul style="list-style-type: none"> (1) DVI-D F output, (1) DVI-I input, (1) USB Type B F, (1) SFP cage, LC, (2) 3.5-mm bidirectional analog audio, (1) 2.1-mm barrel connector for power, <p>NOTE: The local ACX310FIA-R2 also supports VGA or DVI-D input.</p> <p>Remote unit:</p> <ul style="list-style-type: none"> (1) DVI-D output, (4) USB Type A F, (1) SFP cage, LC, (2) 3.5-mm bidirectional analog audio, (1) 2.1-mm barrel connector for power
Distance	Up to p to 1640 feet (500 m) via multimode fiber optic cable
Indicators	(1) Power LED
Maximum Resolution	1920 x 1200
Material	Anodized aluminum
Operating System	Windows®
Environmental	<p>Operating Temperature: 32 to 113° F (0 to 45° C);</p> <p>Storage Temperature: -4 to +158° F (-20 to +70° C);</p> <p>Operating Humidity: 80%, noncondensing</p>
Power	<p>ACX310FIA-R2:</p> <p>Source: External in-line power supply,</p> <p>Input: 100–240 VAC, 50/60 Hz, 0.5 A,</p> <p>Output: 12 V, 1 A,</p> <p>Consumption: 12 W max. (5 W nominal);</p> <p>Power cord:</p> <ul style="list-style-type: none"> Length: 5-ft. (1.5-m), Input connector type: Wallmount plug, Output connector type: 2.1 x 5.5 x 11 mm
Dimensions	ACX310FIA-R2: 1.6"H x 3.85"W x 4.17"D (4.1 x 9.8 x 10.6 cm)
Weight	<p>0.61 lb. (0.27 kg) each unit;</p> <p>1.2 lb. (0.54 kg) per set</p>

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PHOTOS: DVI-I + USB AND RS-232 CATX EXTENDER EC (ACX310FIA-R2)

FRONT VIEW



ACX310S-R-R2



ACX310S-T-R2

BACK VIEW



ACX310S-R-R2



ACX310S-T-R2

SPECIFICATIONS: DVI-I + USB AND RS-232 CATX EXTENDER EC (ACX310S-R2)

Approvals	FCC, TUV, CE, RoHS, WEEE
Connectors	<p>ACX310S-R2:</p> <p>Local unit:</p> <ul style="list-style-type: none"> (1) DVI-D F output, (1) DVI-I input, (1) USB Type B F, (1) RJ-45 interconnect, (1) DB9 RS-232 serial, (1) 2.1-mm barrel connector for power, <p>Remote unit:</p> <ul style="list-style-type: none"> (1) DVI-D output, (4) USB Type A F, (1) RJ-45 interconnect, (1) DB9 RS-232 serial, (1) 2.1-mm barrel connector for power
Distance	Up to 426 feet (130 m)
Indicators	(1) Power LED
Maximum Resolution	1920 x 1200
Material	Anodized aluminum
Operating System	Windows®
Environmental	<p>Operating Temperature: 32 to 113° F (0 to 45° C);</p> <p>Storage Temperature: -4 to +158° F (-20 to +70° C);</p> <p>Operating Humidity: 80%, noncondensing</p>
Power	<p>ACX310S-R2:</p> <p>Source: External in-line power supply,</p> <p>Input: 100–240 VAC, 50/60 Hz, 0.5 A,</p> <p>Output: 12 V, 1 A,</p> <p>Consumption: 12 W max. (5 W nominal);</p> <p>Power cord:</p> <ul style="list-style-type: none"> Length: 5-ft. (1.5-m), Input connector type: Wallmount plug, Output connector type: 2.1 x 5.5 x 11 mm
Dimensions	ACX310S-R2: Each unit: 1.5"H x 3.9"W x 4"D (4.1 x 9.8 x 10.6 cm)
Weight	<p>0.61 lb. (0.27 kg) each unit;</p> <p>1.2 lb. (0.54 kg) per set</p>

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ORDERING INFORMATION

Item	Code
CATx or Fiber DVI and USB Extenders	
CATx DVI + USB and Audio Extender EC Kit	ACX310-R2
Transmitter	ACX310-T-R2
Receiver	ACX310-R-R2
CATx DVI + USB and RS-232 Extender EC Kit	ACX310S-R2
Transmitter	ACX310S-T-R2
Receiver	ACX310S-R-R2
DVI-D + USB Fiber Extender EC Kit	ACX310F-R2
Transmitter	ACX310F-T-R2
Receiver	ACX310F-R-R2
DVI-I + USB and Audio Fiber Extender EC Kit	ACX310FIA-R2
Transmitter	ACX310FIA-T-R2
Receiver	ACX310FIA-R-R2

NOTE: Kits contain (1) Transmitter and (1) Receiver.

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