BLACK BOX®

Product Data Sheet

CATx Extenders

ACX310

ACX310-R

ACX310-T

ACX310F

ACX310F-R

ACX310F-T

ACX310FIA

ACX310FIA-R

ACX310FIA-T

Overview

CATx DVI/HDMI + USB Extenders are optimized for state-of-the-art signals such as DVI, HDMI®, and USB. The transmission distance of 426 feet (130 m) is completely lossless using just a single CATx cable.

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

- CATx KVM Extender — DVI-D, USB, and Audio (ACX310).
- Fiber DVI-D + USB Extender, DVI Only (ACX310F).
- Fiber DVI-I + USB Extender, DVI, VGA, and Audio (ACX310FIA).

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. ACX310 and ACX310FIA support audio and ACX310F and ACX310FIA models support analog transmission. The local port on the ACX310FIA converts the VGA signal directly to DVI.

Basic Features

- Reach 426 feet (130 m) distance 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.
- Provides full HD video performance.
- Flash upgradeable, no special cable required.
- Supports audio and RS-232 via external USB adapters.
- Reliable and rugged design.
- Ultra compact design supports up to four channels in a 19" 1U rack.

Specifications

Approvals	FCC, TUV, CE, RoHS, WEEE

Connectors	ACX310:
	    Local unit:
	        (1) DVI-D output,
	        (1) DVI-D input,
	        (1) USB Type B female,
	        (1) RJ-45 interconnect,
	        (1) barrel connection for power;
	    Remote unit:
	        (1) DVI-D output,
	        (4) USB Type A female,
	        (1) RJ-45 interconnect,
	        (1) barrel connection for power;
	ACX310F:
	    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;
	    Remote unit:
	        (1) DVI-D output,
	        (4) USB Type A F,
	        (1) SFP cage, LC,
	        (1) 2.1-mm barrel connector;
	ACX310FIA:
	    Local unit:
	        (1) DVI-D F output,
	        (1) DVI-I input,
	        (1) USB Type B F,
	        (1) SFP cage, LC,
	        (1) 2.1-mm barrel connector,
	        (2) audio connectors;
	NOTE: The local ACX310FIA also supports VGA or DVI-D input.
	    Remote unit:
	        (1) DVI-D output,
	        (4) USB Type A F,
	        (1) SFP cage, LC,
	        (1) 2.1-mm barrel connector,
	        (2) audio connectors

Indicators	(1) Power LED
Operating System	Windows®

Specifications (continued)

Material	Anodized aluminum
Environmental	Operating Temperature: 32 to 113° F (0 to 45° C); Storage Temperature: -4 to +158° F (-20 tp +70° C); Operating Humidity: 80%, noncondensing

Power	ACX310:
	  Source: External 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);
	  Power Cord:
	    Length: 5 ft. (1.5-m),
	    Input connector type: Wall transformer with country-specific adapters
	    Ouput connector type: 2.1 mm x 5 mm x 11 mm;
	ACX310F:
	  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);
	ACX310FIA:
	  Source: External 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);
	  Power cord:
	    Length: 5-ft. (1.5-m),
	    Input connector type: Wallmount plug,
	    Output connector type: 2.1 x 5.5 x 11 mm

Dimensions	ACX310: 1.5"H x 3.9"W x 4"D (4.1 x 9.8 x 10.6 cm); ACX310F: 1.6"H x 3.85"W x 4.17"D (4.1 x 9.8 x 10.6 cm); ACX310FIA: 1.6"H x 3.85"W x 4.17"D (4.1 x 9.8 x 10.6 cm) 1.6"H x 4.1"W x 3.8"D (4 x 10.4 x 9.7 cm)
Weight	0.61 lb. (0.27 kg) each unit; 1.2 lb. (0.54 kg) per set

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