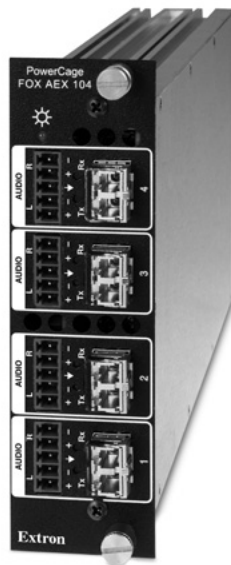


PowerCage FOX AEX 104

FOUR PORT FIBER OPTIC AUDIO EXTRACTOR



- ▶ Extracts analog stereo audio from fiber optic signals, providing local audio output signals for processing and routing
- ▶ Four ports provide simultaneous audio extraction for four FOX Series fiber optic signals
- ▶ Buffered input loop-throughs
- ▶ Balanced or unbalanced analog stereo audio output
- ▶ Output reclocking
- ▶ Real-time status LED indicators for troubleshooting and monitoring
- ▶ Modular, field-upgradeable, and hot-swappable board designed for the PowerCage 1600 enclosure
- ▶ Compatible with Extron FOX Matrix Switchers for signal distribution systems up to 1000x1000 and larger
- ▶ Compatible with Extron FOX Series distribution amplifiers and switchers
- ▶ Compatible with Extron FOX Series HDMI, DVI Plus, DVI, VGA, VGA/YUV, and AV transmitters and receivers
- ▶ Multimode and singlemode models available

The Extron PowerCage® FOX AEX 104 Four Port Fiber Optic Audio Extractor provides local audio outputs in a fiber optic AV system. Featuring high-speed, all digital signal transmission of pixel-perfect video, audio, and control, the modular PowerCage FOX AEX 104 is ideal for use in FOX Matrix system applications that require independent distribution and processing of audio signals.



Extron® Electronics
INTERFACING, SWITCHING AND CONTROL

DESCRIPTION

The Extron **PowerCage® FOX AEX 104** Four Port Fiber Optic Audio Extractor is a modular board designed for the Extron PowerCage 1600 enclosure that enables independent processing and routing of audio signals in a fiber optic AV system. Each port accepts signals from a FOX Series transmitter, extracts the two-channel audio signal to provide balanced or unbalanced analog stereo output, and re-transmits the original signal to a FOX Series receiver. Output reclocking on the buffered pass-through maintains signal integrity, transmitting the fiber optic signal at the original power level. Featuring high-speed, all digital signal transmission of pixel-perfect video, audio, and control, the PowerCage FOX AEX 104 is compatible with FOX Series HDMI, DVI Plus, DVI, VGA, VGA/YUV, and AV transmitters and receivers.

As part of the extensive FOX Series, the PowerCage FOX AEX 104 is also compatible with a wide range of FOXBOX and other FOX Series products. It can be used in combination with select FOXBOX and PowerCage FOX extenders and FOX Series distribution amplifiers, switchers, and matrix switchers for support of enterprise projects.

FEATURES

- ▶ Extracts analog stereo audio from fiber optic signals, providing local audio output signals for processing and routing
- ▶ Four ports provide simultaneous audio extraction for four FOX Series fiber optic signals
- ▶ Buffered input loop-throughs
- ▶ Balanced or unbalanced analog stereo audio output
- ▶ Output reclocking
- ▶ Modular, field-upgradeable, and hot-swappable board designed for the PowerCage 1600 enclosure

SPECIFICATIONS

NOTE: These units are class 1 laser products. They meet the safety regulations of IEC-60825, FDA 21 CFR 1040.10, and FDA 21 CFR 1040.11.

OPTICAL FIBER INTERCONNECTION BETWEEN TRANSMITTER OR FIBER MATRIX SWITCHER AND RECEIVER

Number/type	2 fibers per extraction point
Connectors	8 LC connectors
Operating distance	
Singlemode	30 km (18.75 miles) with singlemode (SM) cables with a PowerCage FOX SM unit
Multimode	300 m (985') with 62.5 µm OM1 multimode (MM) cables with a PowerCage FOX MM unit 1 km (3280') with 50 µm OM2 multimode (MM) cables with a PowerCage FOX MM unit 2 km (6561') with 50 µm OM3/OM4 2000 MHz bandwidth laser optimized multimode cable with a PowerCage FOX MM unit
Nominal peak wavelength	850 nm for PowerCage FOX MM units, 1310 nm for PowerCage FOX SM units
Data rate	4.25 Gbps or 2.125 Gbps, selectable
Optical loss budget	
Singlemode	13 dB, maximum
Multimode	7 dB, maximum

AUDIO OUTPUT

Number/signal type	4 stereo, balanced/unbalanced or 8 mono, balanced/unbalanced
Connectors	(4) 3.5 mm captive screw connectors, 5 pole

GENERAL

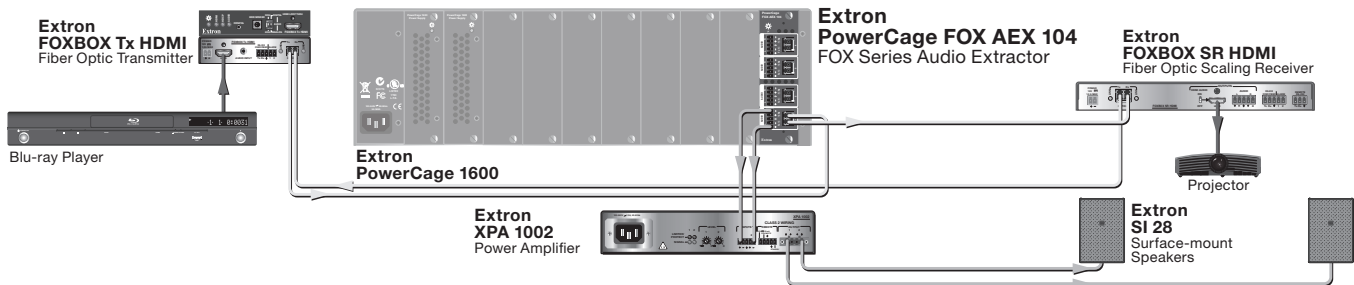
Power	Supplied by a PowerCage 1600 System Enclosure	
Power consumption	PowerCage FOX AEX board 19.7 watts	
Regulatory compliance		
Safety	CE, c-UL, FDA Class 1, UL	
EMI/EMC	CE, C-tick, FCC Class A, ICES, VCCI	
MTBF	30,000 hours	
Warranty	3 years parts and labor	

NOTE: All nominal levels are at ±10%.

Model	Version Description	Part number
PowerCage FOX AEX 104 MM	Audio Extractor - Multimode	70-960-01
PowerCage FOX AEX 104 SM	Audio Extractor - Singlemode	70-960-02

For complete specifications, please go to www.extron.com
Specifications are subject to change without notice.

APPLICATION DIAGRAM



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