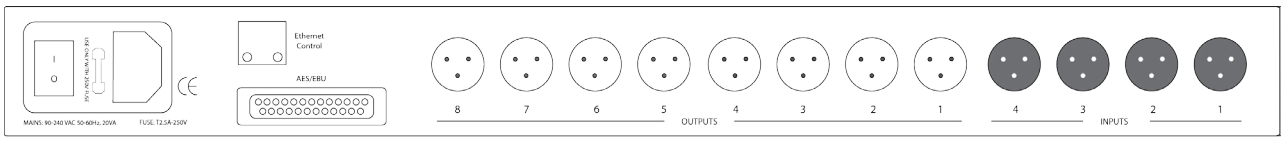
XD Series

An evolution of the famed DLP family of precessors, ACX's XD Series delivers uniquely-advanced features in a small-format, affordable footprint for the live sound and performance audio markets.

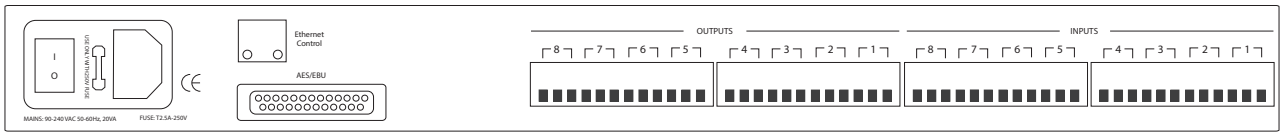
- XD Series products provide an outstanding value-to-performance ratio, as the only DSPs that sample 96kHz, use a 40-bit floating point DSP, and feature 24-bit converters within its price category
- Features a broad range of advanced signal processing functions alongside standard ACX suite, including high-performance FIR crossover filters, 650ms delay per input/output, phase correction, and dual IIR crossover per input/output
- Comes as standard with AES/EBU digital I/O using DB-25 multi-pin connector to suit larger digital deployments
- Two I/O model sizes keep stocking and deploying simple for rental, MI and live sound providers, whilst also giving optimal cost-savings by minimising unneeded channel counts
- Wide range of control options allow for ultimate in user flexibility: optional Android and iOS app alongside the use of low-cost, wall-mounted XPanel

Engineer's Specification

Model versions shall provide four (4) or eight (8) balanced analog line inputs plus four (4) or eight (8) AES/EBU digital audio inputs along with eight (8) balanced analog line outputs and eight (8) AES/EBU digital outputs (models XD-4080 & XD-8080). 4080-M & 8080-M model versions provide Mic/Line inputs, whilst sampling frequency is 96kHz and high performance 24-bit A/D & D/A converters and 40-bit floating point DSP processing is utilized. Analog audio connections shall be accessed via rear mounted XLR connectors (XD-4080) or 5.08mm terminal block connectors (XD-8080).AES/EBU digital audio I/O is via a separate DB-25 multi-pin connector available on all model designations. After initial programming, processors may be controlled via TCP/IP using optional networked controls (Cat6) or via third-party control systems using the RS232 connection. All program memory shall be non-volatile and provide program security should power fail. The processors shall be ETL marked and comply with UL/CSA/CE safety requirements, FCC emission requirements,and shall be compliant with the RoHS directive. The steel chassis mounts into a standard 19" 1U EIA rack. Warranty shall be 2 years parts and labor. The DSP shall be the XD Series.



Rear panel view of the XD 4080, with XLR I/O section.



Rear panel view of the XD 8080, with Phoenix connector I/O section.

Available Model Variants

	Base Model with XLR I/O	Base Model with Phoenix I/O	Selectable Mic/Line Inputs & 48V with XLR I/O	Selectable Mic/Line Inputs & 48V with Phoenix I/O
4x8 I/O	XD4080		XD4080-M	
8x8 I/O		XD8080		XD8080-M

Technical Specifications

Input impedance	>10k Ohms
Output impedance	50 Ohms
Maximum level	+20dBu
Mic/Line	Mic (+40dB Fixed gain)/Line (0dB)
Type	Electronically balanced
Frequency response	+/-0.1dB (20 to 30kHz)
Dynamic range	115dB typ (unweighted)
CMRR	>60dB @ 1kHz
Crosstalk	<-80dB @ 1kHz
Distortion	0.002% (1kHz @ +4dBu)
Processor	40-bit Floating point

Sampling rate	96kHz
Analog converters	High-performance 24-bit
Propagation delay	1.5ms
Connectors	**XD 4080**: XLR, DB-25, USB, RS232, RJ45 Ethernet, IEC power socket **XD8080:** Phoenix connector (included), DB-25, USB, RS232, RJ45 Ethernet, IEC power socket
Power	90-240 VAC (50-60Hz)
Dimensions	19”x1.75”x9” (483x44x229mm)
Rack mount	1RU, with vent between units
Weight	11lbs / 5kg
Warranty	2 years parts and labor

*Specifications subject to change