XA SERIES

Value-Oriented Digital Signal Processor

XILICA

Featuring a 40-bit floating-point DSP engine, 24-bit converters and 96kHz sample rate, the XA Series brings comprehensive processing at a unique price point.

- XA Series products provide an outstanding value-to-performance ratio, as the only DSP that samples at 96kHz, uses a 40-bit floating point processor, and features 24-bit converters within its price category

- Three 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

- Controllable from the XA Series' built-in front panel, or from any computer running Xilica's XConsole GUI software. This unit is not controllable via Ethernet, NeuPanel/Mini products, or XControl Android app

- Uses a linear power supply for greater affordability

- Comes with two year warranty, including parts and labor, and 24/7 worldwide technical support

Engineer's Specification

Model versions shall provide two (2) and four (4) balanced analog line inputs, and four (4), six (6), or eight (8) balanced analog line outputs.

Selection, levels, signal inversions and mutes shall be controllable via software. The front panel shall include a 2x16 character backlit LCD display, switch and thumb wheel programming controls, channel/mute selection buttons, and input/output LED level indicators.

Analog audio connections shall be accessed via rear XLR connectors on all models. Computer connection for configuration shall be via the device's front panel USB connector.

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.

The DSP shall be the XA Series.

Above: Rear panel view of the XA4080, with XLR I/O section.

Available Model Variants

	Base Model with Line XLR I/O
2x4 I/O	XA-2040
2x6 I/O	XA-2060
4x8 I/O	XA-4080

Technical Specifications

Input impedance	>10k Ohms
Output impedance	50 Ohms
Maximum level	+20dBu (mic gain: 0 / +40dB steps)
Type	Electronically balanced
Frequency response	+/- 0.1dB (20 to 30kHz)
Dynamic range	115dB typ (unweighted)
CMMR	> 100db (50 to 10kHz)
Crosstalk	< -100dB
Distortion	0.002% (1kHz @ +4dBu)

Processor	40-bit Floating Point
Sampling rate	96kHz
Analog converters	Super-performance 24-bit
Propagation delay	1.5ms
Connectors	XLR, USB, RS232, standard IEC power socket
Power	90-265 VAC (50-60Hz)
Dimensions	19"x1.75"x9" (483x44x229mm)
Weight	10lbs / 4.6kg

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Customer Support

If you'd like to contact us regarding product support or technical designs, email support@xilica.com and we'll connect you with a solutions engineer. Alternatively, if you'd like to speak to someone, you can call the following numbers for immediate assistance:

North America & Rest of World: +1 905-770-0055

Europe: +31 29940-1100

China & Hong Kong SAR: +852 2604-9382