

XP SERIES

Fixed-Architecture DSP with Core Features



The smaller sibling of Xilica's fixed-architecture XD Series, the XP product line provides greater affordability through the removal of FIR filters and AES/EBU I/O requirements.

- XP Series products provide an outstanding value-to-performance ratio, as the only DSPs that sample at 96kHz, use a 40-bit floating point processor, and feature 24-bit converters within the price category
- XP-M suffix versions offer additional capabilities through switchable premium-grade Mic/Line inputs, with individual 48V phantom power.
- Four 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 allows for ultimate in user flexibility: Touch 7 touch-screen compatibility permits advanced GUI commands for commercial installation alongside the use of low-cost, wall-mounted XTouch panels
- Features optional XTouch Android app for sophisticated end-user experience

Engineer's Specification

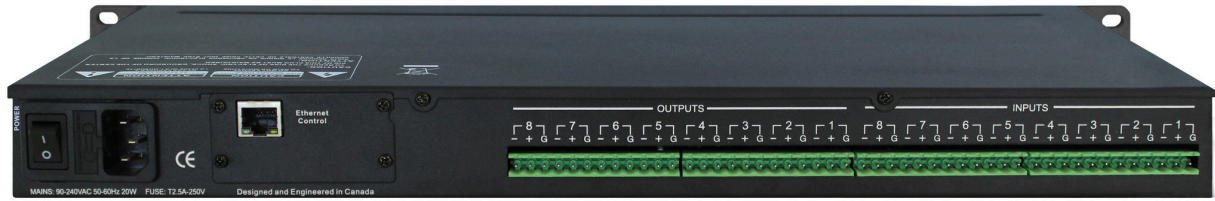
Model versions shall provide two (2), three (3), four (4) or eight (8) balanced analog line inputs, and four (4), six (6), or eight (8) balanced analog line outputs (models XP-2040, 3060, 4080, 8080). Optional "M" model versions add Mic/Line inputs and utilize premium quality mic preamps.

Selection, levels, phantom power, 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 except the XP-8080 model which will use 5.080mm terminal block connectors.

Computer connection for configuration shall be via the device's rear panel Ethernet connector or front panel USB connector. 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. The DSP shall be the XP Series.



Above: Rear panel view of the XP8080, with Phoenix connector I/O section.



Above: Rear panel view of the XP4080, with XLR 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
2x4 I/O	XP-2040		XP-2040M	
3x6 I/O	XP-3060		XP-3060M	
4x8 I/O	XP-4080		XP-4080M	
8x8 I/O		XP-8080		XP-8080M

Technical Specifications

Input impedance	>10k Ohms
Output impedance	50 Ohms
Maximum level	+20dBu (mic gain: 0 / +40dB steps)
Type	Electronically balanced w/48V Phantom)
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	Phoenix 3.5mm, XLR, DB-25, Cat-5, USB, RS232, standard IEC power socket
Power	90-265 VAC (50-60Hz)
Dimensions	19"x1.75"x9" (483x44x229mm)
Weight	10lbs / 4.6kg



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:

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