UNO

App-Configured DSP

XILICA

Let the DSP save you time with Xilica's pre-configured range of Uno Series processors, devised to suit a broad range of fixed audio installations and equipped with optional Dante networking, AES/EBU and AEC.

- App-centric programming reduces required time and skill needed to successfully configure a Xilica Uno product. Large application library available online, and custom app designs provided free-of-charge

- Features a range of I/O combinations to maximise choice and reduce unnecessary spend, including 8x8, 8x16, 16x8 and 16x6 - all with individual terminal block connections to permit rapid installation

- Available factory-installed option cards include bi-directional Dante networking, AES/EBU digital audio via a DB25 connector, and eight channels of low-latency AEC

- Uno products can be controlled and programmed over Ethernet using Xilica's SolaroConsole software, which allows universal programming of Dante-enabled products from manufacturers including Bose, Powersoft, Yamaha and others

- Uno connects to a wide range of control interfaces, including: its own browser-based control panel; the SolaroControl iOS and Android app; wired Touch 7 and Mini series wall controls; Logic custom I/O; and third-party control systems such as Crestron and AMX

Engineer's Specification

Model versions shall provide eight (8) or sixteen (16) balanced analog mic/line inputs with 48V switchable Phantom power, alongside eight (8) or sixteen (16) balanced line outputs (models U0808, U0816, U1608, and U1616). Processing is through 24-bit A/D & D/A converters and 40-bit floating point DSP, with 48kHz sample rate. The front panel shall include power and network LEDs and input/output LED level indicators. Audio connections shall be accessed via rear panel 3.50mm individual terminal block connectors. Network audio expansion shall be provided in Uno-N models by the Dante™ protocol with a capacity of 32 (16×16) channels. The connector shall be 1000 Base-T RJ45 utilizing CAT6 cable. Available DSP components used to create the pre-designed Uno apps shall include (but not be limited to) various forms of: mixers, equalizers, filters, crossovers, dynamics/gain controls, routers, room combiners, delays, remote controls, meters, and onboard logic. Ethernet communication shall be utilized for software control and configuration. The processor shall include a 4x2 General Purpose Input and Output connection (GPIO) for sending or receiving logic signals. 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 be compliant with the RoHS directive. The steel and aluminum chassis mounts into a standard 19" 1U EIA rack. The DSP shall be the Uno Series.

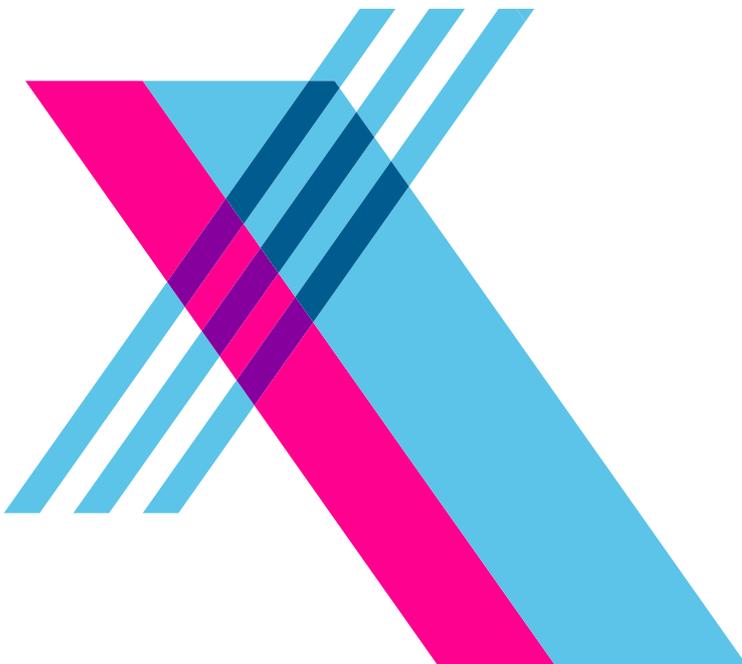Rear panel view of the Uno U1616-N Dante-enabled DSP.

Available Model Variants

	Base Model	With Dante	With AES/EBU	With AEC	With Dante & AES/EBU	With Dante & AEC
8x8 I/O	U0808	U0808-N	U0808-D		U0808-ND	
8x16 I/O	U0816	U0816-N				
16x8 I/O	U1608	U1608-N		U1608-AEC		U1608-AEC-N
16x16 I/O	U1616	U1616-N	U1616-D		U1616-ND	

Technical Specifications

Input impedance	>10k Ohms
Output impedance	50 Ohms
Maximum level	+20dBu (mic gain: 0 / +40dB steps)
Input type	Electronically balanced (with individually-switchable 48V Phantom power)
Frequency response	+/- 0.1dB (20 to 20kHz)
Dynamic range	110dB typ (unweighted)
CMMR	> 100db (50 to 10kHz)
Crosstalk	< -100dB
Distortion	0.002% (1kHz @ +4dBu)

Processor	40-bit Floating Point
Sampling rate	48kHz
Analog converters	High-performance 24-bit
Propagation delay	3ms (AEC: 11ms)
Connectors	Phoenix Plug-in 3.5mm (individual), RJ45 (Cat 5), IEC power, DB-25 AES/EBU
Power	90-240 VAC (50-60Hz)
Dimensions	19"x1.75"x9" (483x44x229mm)
Rack mount	1U, with vent between units
Weight	11lbs / 5kg

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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