XILICA Audio Design

Neutrino
A1608

XILICA NEUTRINO A1608
DEVICE: 16 IN 8 OUT

MENU   CURSOR   ENTER
                EXIT

XILICA

Neutrino A0808, A1608, A0816, A1212

- **8x8, 16x8, 8x16, 12x12 Input-Output Model Configurations.**
- **Mic or Line Input Selection per Input. (48v Phantom Power on Mic Inputs)**
- **48kHz, 40 Bit Floating Point DSP Engine and High Performance 24 Bit Converters.**
- **Easy to use NeuConsole Software GUI.**
- **Drag & Drop Neutrino DSP Modules.**
- **Ethernet Connectivity and Control.**
- **On-going DSP Module Development.**
- **On-going Wall Mount Control Development.**
- **On-going AEC (Auto Echo Cancellation) Development.**
- **On-going AVB (Audio Video Bridge) Low Latency Digital Audio Network Development.**
- **Warranty: 2 years Part and Labour**

NeuConsole   XPanel   Ethernet

Building on the audio performance and reputation of our 40 Bit Floating Point DSP Engine and High Performance 24 Bit Converters, Xilica bring a new level of audio performance, ease of use and value to the world of Open Architecture-Drag & Drop audio processing for fixed audio installations.

Connect the NeuConsole software to the Neutrino processor via Ethernet. NeuConsole will automatically recognize and identify the active Neutrino processor. Drag and Drop Neutrino DSP modules into your design using the easy to use NeuConsole software GUI to create your own system design and routing.Neutrino's software compiler ensures the workability of the final Netlist.

With Ethernet connectivity multiple Neutrino processors can be controlled by Neutrino's NeuConsole software or any third party device via a wired or wireless network. In addition, there is a Logic Input - Relay Output control port on the rear.

These initial Neutrino A-series processor models will provide stand alone DSP solutions for fixed audio installations. As we develop this new platform we will provide options and models that will provide AEC (Auto Echo Cancellation), AVB (Audio Video Bridging) low latency digital audio network, wall mount controls and other Neutrino solutions.

XILICA Audio Design

The Neutrino A-Series of Open Architecture-Drag &
Drop DSP for Fixed Audio Installations from XILICA.

Neutrino A0808, A1608, A0816, A1212

Specifications

Inputs and Outputs

Input Impedance:	>10k Ohms
Output Impedance:	50 Ohms
Maximum Level:	+20dBu
Type:	Electronically balanced (48v Mic Phantom Power)

Audio Performance

Frequency Response:	+/- 0.1dB (20 to 30kHz)
Dynamic Range:	110dB typ (unweighted)
CMMR:	> 100dB (50 to 10kHz)
Crosstalk:	< -100dB
Distortion:	0.002% (1kHz @+4dBu)

Digital Audio Performance

Processor:	40-bit Floating Point
Sampling Rate:	48kHz
Analog Converters:	High Performance 24-bit

Front Panel Controls

Display:	2 x 24 Character Backlit LCD
Signal LEDs:	1 per channel
Status LED:	Data
Buttons:	Menu Controls
Dial Encoder:	Embedded Thumb Wheel

Connectors

Analog Inputs:	Phoenix Plug-in 3.5mm
Analog Outputs:	Phoenix Plug-in 3.5mm
Logic In-Relay Out:	Phoenix Plug-in 3.5mm
Ethernet:	Standard CAT-5
Power:	Standard IEC Socket

General

Power:	90-240 VAC (50-60Hz)
Dimensions:	19"x1.75"x9" (483x44x229 mm)
Weight:	11 lbs / 5 kg
Warranty:	2 years Parts and Labour

Note: Specifications subject to change without notice