

xIO XLR Audio Endpoints

Microphone/line level Dante-enabled endpoints with high-performance audio signal chain integration.

DETAIL

The xIO XLR-Series endpoint devices shall enable input, output, and control with an AVoIP DSP system via XLR mic/line connectors, LED indicators, and a programmable button for user input.

The endpoint device shall be rectangular measuring either 3.1 inches (79.8 mm) wide, by 4.9 inches (124.3 mm) high, by 2.1 inches (54.0 mm) deep -OR- 5.0 inches (125.9 mm) wide, by 4.9 inches (124.3 mm) high, by 2.1 inches (54.0 mm) deep.

The endpoint device shall have appropriate XLR mic/line connectors for either one input and one output (xIO XLR 1x1), two inputs (xIn XLR 2), two inputs and two outputs (xIO XLR 2x2), or four inputs (xIn XLR 4).

The endpoint device shall be designed to mount in either a standard US and UK single-gang or double-gang wall and junction boxes.

The endpoint device shall provide a 1, 2 or 4 channel transmit and 1 or 2 channel receive network audio interface utilizing the Dante protocol and shall also support AES67.

The device shall support a Sampling Rate of 48 kHz, or 96 kHz as configured in Dante Controller.

The device shall provide input THD of +N 0.003% (+15 dBu @ 1 kHz @ 0 dB gain)

The device shall provide an input frequency response of +-0.2 dB; 20 Hz-20 kHz (+4 dBu @ 0 dB gain)

The device shall provide an input dynamic range of > 110 dB (A-weighted @ 0 dB gain)

The device shall provide input crosstalk of -107 dB (+4 dBu @ 1 kHz @ 0 dB gain)

The device shall provide a maximum input level of +23.5 dBu (1% THD @ 1 kHz @ 0 dB gain)

The device shall provide an input EIN of <-127 dBu (150 Ohm source impedance, 22.4 kHz BW)

The device shall provide an input CMRR of >50 dB (1 kHz @ 0 dB gain)

The device shall support Phantom Power of +48 VDC @ 10 mA maximum

The device shall provide an input latency of 0.77 mS (Analog in to Dante Send)

The device shall provide an output THD of +N 0.005% (-4 dBFS @ 1 kHz)

The device shall provide an output frequency response +/- 0.2 dB; 20 Hz–20 kHz (+4 dBu @ 0 dB gain)

The device shall provide an output dynamic range of > 110 dB (A-weighted @ 0 dB gain)

The device shall provide a maximum output level of +23.5 dBu (1% THD+N @ 1 kHz)

The device shall provide an output impedance 300 Ohms balanced

The device shall provide an output latency 0.60 mS (Dante Send to Analog Out)

The device shall communicate with an AVoIP DSP system via 10/100 Mbps Ethernet using standard TCP/IP protocols using an RJ-45 jack on the rear panel.

A system management software application shall be provided for device configuration and programming that operates on a Windows computer, with a network interface installed, running Windows 10® or higher operating system.

A system management software application shall develop and manage the device's signal parameters, LED state and color, and control buttons, constructed from objects within the system management software including faders, buttons, and meters.

Remote Monitoring of the system shall be provided via a cloud monitoring platform, which will provide native monitoring of all manufacturer devices and third-party Dante devices. The remote monitoring platform shall also be capable of monitoring an unlimited number of professional networked audio-visual, and related equipment from over 90 different manufacturers.

The device shall operate in an environment with an ambient temperature range of 0° C to 40° C (32° to 104° F).

The maximum recommended ambient operating temperature for the device shall be 30° C (86° F)

The device shall be powered over Ethernet (PoE) by an IEEE 802.3af standard compliant switch of 15.4 W maximum.

The device shall meet CE safety requirements and comply with CE, UKCA, EAC, and FCC Part 15 emissions limits.

The device shall be RoHS compliant.

The chassis shall be constructed of die-cast zinc.

The device shall have a single gang box product weight of 0.7 lbs for Euro format and 0.75 lbs for US format

The device shall have a double gang box product weight of 1.25 lbs for US format

The device shall have a single gang box shipping weight of 1.2 lbs for Euro format and 1.25 lbs for US format

The device shall have a double gang box product weight of 1.75 lbs for US format