

MXWANI4, MXWANI8 Audio Network Interface

Overview

The MXWANI is a 4- or 8-channel Audio Network Interface compatible with Microflex™ Wireless microphone systems that enables easy out-of-the-box system setup with no additional networking hardware required. With per channel analog outputs and a versatile 4-port gigabit switch, it is the central point for connecting and distributing Microflex Wireless systems to conference room AV networks. Front panel controls offer quick adjustments locally, or adjust system settings remotely from a networked PC or Mac through the Microflex Wireless Control Software.



MXWANI4
Audio Network Interface Front Panel



MXWANI4
Audio Network Interface Rear Panel



MXWANI8
Audio Network Interface Front Panel



MXWANI8
Audio Network Interface Rear Panel

Features

- Analog connections: 4 or 8 block connector channel outputs, with 1 or 2 block connector inputs (model dependent)
- Four port gigabit switch: Optimized port configurations for connection to the Access Point Transceiver and Networked Charging Stations, third party control systems, and corporate networks
- Ethernet connectivity: Send audio and control signals over long cable runs of up to 300 feet or anywhere over a corporate network
- Power over Ethernet: Port 1 of the rear panel switch supplies power over Ethernet to the Access Point Transceiver for simplified installation
- Corporate uplink mode: Link to the corporate network for remote control of system settings while keeping audio off the network for security and to reduce bandwidth
- Front panel controls: Mute or solo channels and set input/output levels easily from the front panel
- PC/Mac software control: Access the Microflex Wireless Control Software from a networked computer for input/output levels and port configuration
- Dante™ networking: Transports low latency digital audio received from wireless microphones over Ethernet to any other Dante-equipped device
- Headphone output: Solo audio signal on any channel

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Specifications (subject to change)

Audio Frequency Response	20 Hz to 20 kHz (+1, -1.5 dB)
Dynamic Range <small>(20 Hz to 20 kHz, A-weighted, typical)</small>	Analog-to-Dante: 113 dB Dante-to-Analog: 110 dB
Output Noise <small>(20 Hz to 20 kHz, A-Weighted, typical)</small>	Line: -84.5 dBV Aux: -95.2 dBV Mic: -106.5 dBV
THD+N <small>(20 Hz to 20 kHz @ +4dBu analog input, -10 dBFS digital input)</small>	<0.05%
Polarity	Non-inverting, any input to any output
Dimensions	44 mm x 483 mm x 366 mm (1.7 in. x 19.0 in. x 14.4 in.), H x W x D
Weight	MXWANI4 3.1 kg (6.9 lbs) MXWANI8 3.2 kg (7.1 lbs)
Housing	Steel; Extruded aluminum
Power Requirements	100 to 240 V AC, 50-60 Hz, 1 A
Operating Temperature Range	-18°C (0°F) to 63°C (145°F)
Storage Temperature Range	-29°C (-20°F) to 74°C (165°F)

Analog Connections - Outputs

Configuration	Active Balanced
Impedance	310 Ω
Clipping Level <small>(minimum)</small>	Line: +26.2 dBV Aux: +16.2 dBV Mic: -3.8 dBV

Analog Connections - Input(s)

Configuration	Active Balanced
Impedance	10.6 kΩ
Clipping Level <small>(minimum)</small>	Line: +23.8 dBV Aux: +10.8 dBV

Headphone Output	6.35 mm (1/4") TRS, 100 mW, 350 Ω, dual mono (will drive stereo phones) 0 dBV=1 V RMS 0 dBu=0.775 V RMS 0 dBV=2.2 dBu
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Digital Signal Processing

AD/DA Converter	24-bit, 48 kHz
Latency <small>(Estimated Nominal, ±0.1 ms)</small>	Analog-to-Dante: 0.21 ms Dante-to-Analog: 0.24 ms + TN TN = Network latency in milliseconds, as set in Dante Controller. Note: Dante network latency is typically associated with the receiving device.

Networking

Network Interface	Four-Port Gigabit Ethernet Switch, Dante digital audio
Uplink Port (Port 4)	Selectable, blocks multicast traffic
Power over Ethernet (PoE)	Provided on Port 1 to power MXWAPT
Cable Requirements	Cat 5e or higher, shielded, 100 m maximum between network devices
Network Addressing Capability	DHCP, link-local, static

Available Models

MXWANI8	8-Channel Audio Network Interface
MXWANI4	4-Channel Audio Network Interface

Optional Accessories

90A20082	Hardware Kit
95B8389	IEC Cable

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