SYSTEMS AND CONTROL / ZONE SYSTEMS / DIGITAL

NMX-88D

8 X 8 ANALOGUE AND 8 X 8 DANTE AUDIO MATRIX WITH DSP, 8 GPIOS









- Great versatility, perfect for installations of any size. Distributed audio and conference systems.
- Configurable DSP in inputs and outputs.
- Echo Cancellation (AEC), Feedback Cancellation (AFC), Noise Suppression (ANS) and Automatic Gain Control (AGC) algorithms.
- Modular configuration software for PC. Customisable user interface and App for Android and iOS touch screens.
- Configurable GPIO and PTZ camera tracking control.

+ Info:
https://fonestar.com/NMX-88D

ESPECIALLY RECOMMENDED IN:



Sports facilities



Hotels



All sectors

DESCRIPTION

8 x 8-channel analogue and 8 x 8-channel DANTE audio matrix with DSP, ADI SHARC 21489 architecture.

TECHNICAL CHARACTERISTICS

FEATURES	Audio matrix with DSP, ADI SHARC 21489 architecture. 8 analogue inputs (microphone/line with selectable 48 V phantom power). 8 DANTE digital inputs. 8 analogue outputs. 8 DANTE digital outputs. USB sound card input and output channel. Algorithms: Echo Cancellation (AEC), Feedback Cancellation (AFC), Noise Suppression (ANS), Automatic Gain Control (AGC). Signal processing with 5 modules per input channel including expander, compressor, noise gate, automatic gain control (AGC), priority, parametric filter, graphic filter, priority, acoustic feedback cancellation (AFC) and delay. And 4 modules per output channel including crossover network, parametric filter, graphic filter, delay and limiter. Functions for linking two channels in stereo, auto mixing, Echo Cancellation (AEC), Noise Suppression (ANS), matrix assignment volume, 8 GPIO, 16 scenes, PTZ camera tracking control. Connection via Ethernet and RS-232, RS-485 control port. UDP, RS-232 and RS-485 protocol. Configuration software and modular user interface with App for touchscreens.
INPUTS	8 balanced lines with gain selection in 3 dB steps: 0 dB to -48 dB. Signal level: 24 mV RMS (-30 dBu) ~ 6.15 V RMS (+18 dBu) 5.4K Ohm. 110 dB dynamic range. Euroblock connector 8 DANTE digital input channels Selectable phantom power 48 V (10 mA max.) 1 x LAN port for local area network connection, RJ-45 1 x RS-232 port, euroblock 1 x RS-485 port, euroblock
OUTPUTS	8 balanced lines. Signal level: max. 6.15 V RMS (+18 dBu) 600 Ohm. 112 dB dynamic range. Euroblock connector 8 DANTE digital output channels

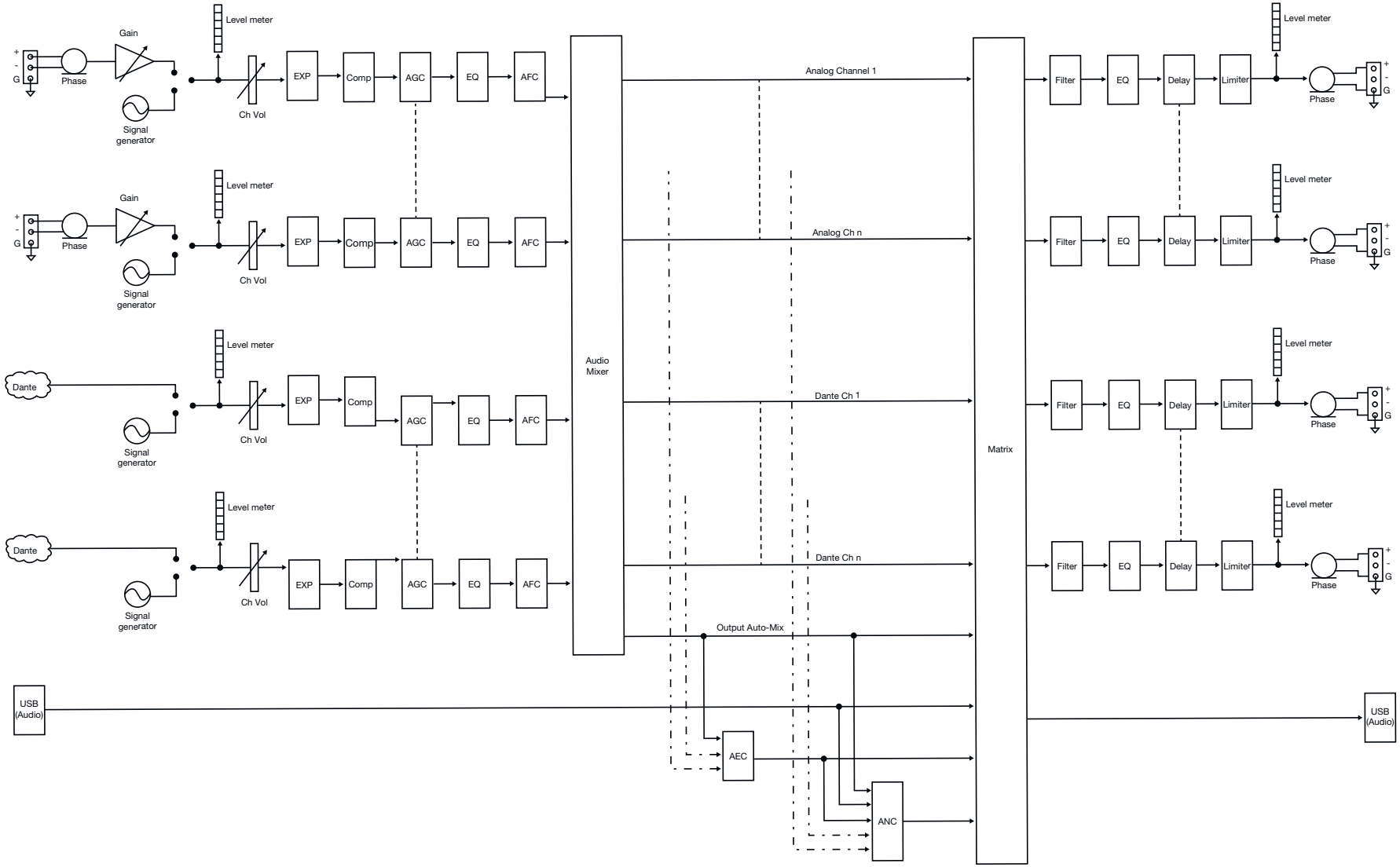


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CONTROLS	Modular PC control software (input/output routing, DSP functions, equalisation, noise gates, compressor, gain controls, etc.) App for customised user control interface. UDP, RS-232 and RS-485 protocol for integration with other systems. RS-232 and RS-485 for PTZ camera tracking control.
DIGITAL AUDIO	48 KHz, 24 bits
LATENCY	<3 ms
RESPONSE	20-20,000 Hz ±0.3 dB
DISTORTION	THD+N harmonic: <0.002% @4dBu
S/N RATIO	112 dB
POWER SUPPLY	100-240 V AC, 50-60 Hz, 30 W
DIMENSIONS	482 x 44 x 268 mm depth. 1 U 19" rack
WEIGHT	3'1 kg
OPTIONAL	NMX-WP: Wall control control TAB-10-16: Touch screen 10" Android MIC-DANTE: DANTE desktop microphone W-DANTE-BJ: Wireless audio receiver and AUX input adapter, DANTE W-DANTE-22X: DANTE adapter 2 inputs / 2 outputs



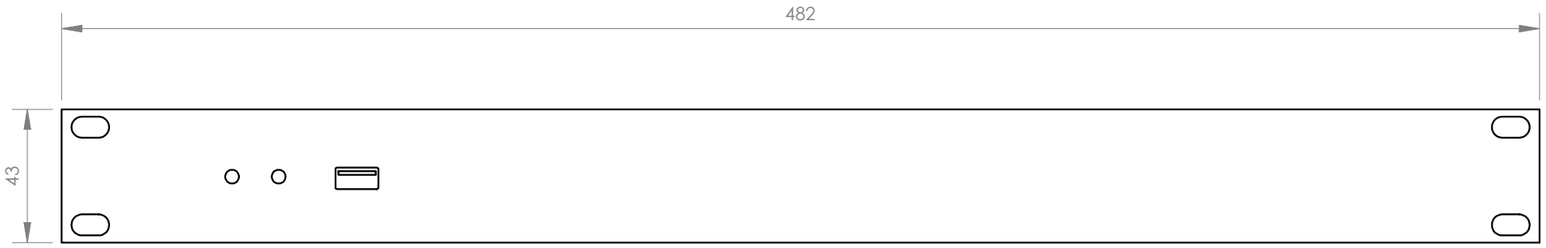
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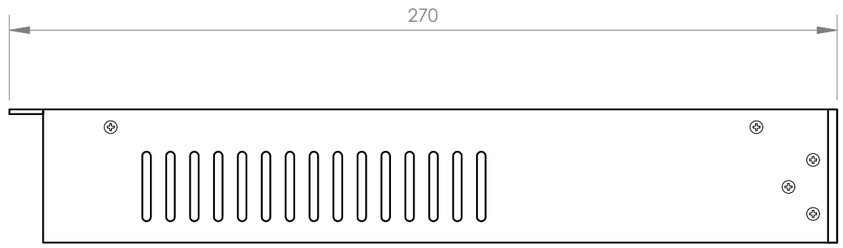


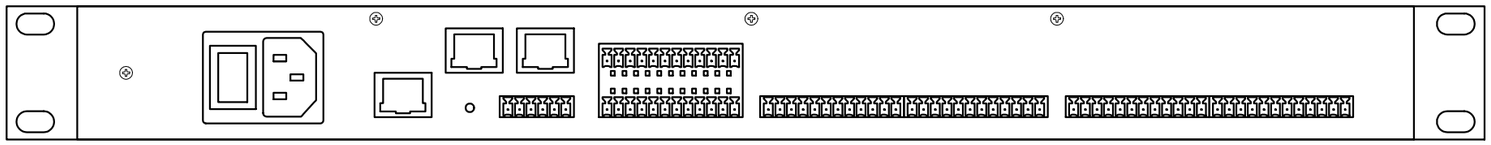
Product:
NMX-matrix Block Diagram

Date: 2025-01-10

FONESTAR
www.fonestar.es







FONESTAR	Model	Description	Units	Scale
	NMX-1616D	8 X 8 AUDIO MATRIX WITH DSP AND OPTIONAL DANTE CARD	mm	1:2