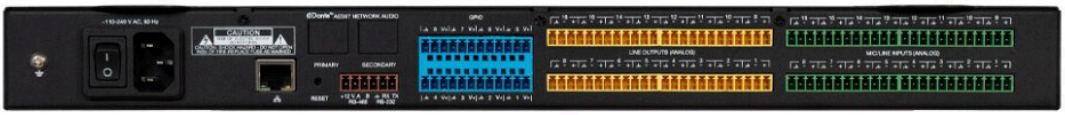
SYSTEMS AND CONTROL / ZONE SYSTEMS / DIGITAL

NMX-1616

16 X 16 AUDIO MATRIX WITH DSP, 8 GPIOS







Dante · DSP · USB · CAMERA TRACKING · 8xGPIO · LOW BANDWIDTH · LOW LATENCY · RACKABLE 1U · SCALABLE INSTALLATIONS · CUSTOMISED CONFIGURATION · UDP

- 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-1616

ESPECIALLY RECOMMENDED IN:



Sports facilities



Hotels



All sectors

DESCRIPTION

16 x 16 audio matrix with DSP, ADI SHARC 21489 architecture.

TECHNICAL CHARACTERISTICS

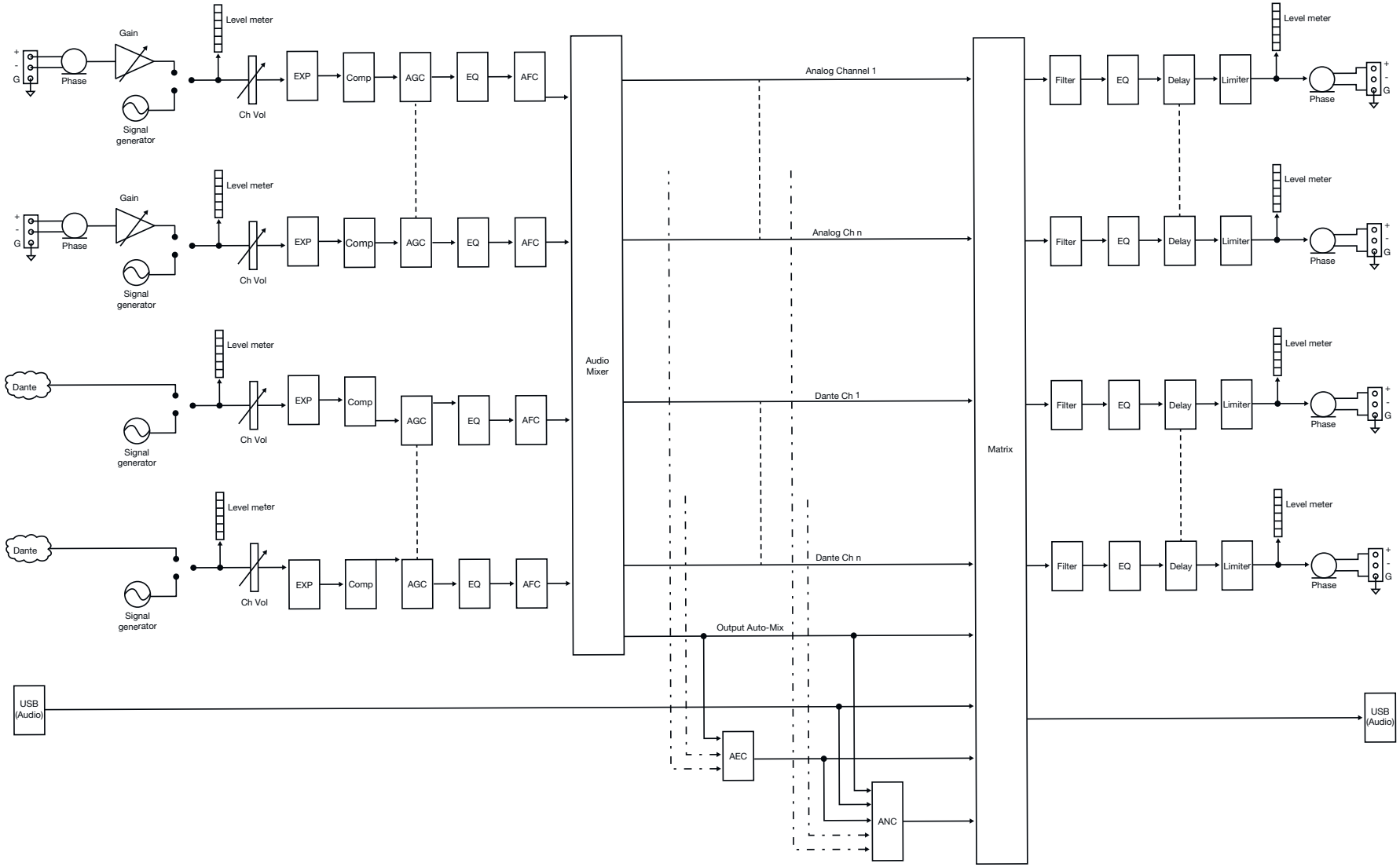
FEATURES	Audio matrix with DSP, ADI SHARC 21489 architecture 16 analogue inputs (Microphone / line with selectable 48V Phantom). 16 analogue outputs. USB sound card input and output channel. Algorithms: Echo Cancellation (AEC), Feedback Cancellation (AFC), Noise Suppression (ANS), Automatic Gain Control (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 for each 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 volume assignment, 8 GPIOs, 16 scenes, PTZ camera tracking control. Ethernet connection and RS-232, RS-485 control port. UDP, RS-232 and RS-485 protocol. Configuration software and modular user interface with App for touch screens.
INPUTS	16 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 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	16 balanced lines. Signal level: max. 6.15 V RMS (+18 dBu) 600 Ohm. 112 dB dynamic range. Euroblock connector
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.



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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, 28 W
DIMENSIONS	482 x 44 x 268 mm depth. 1 U 19" rack
WEIGHT	3 kg
OPTIONAL	NMX-WP: Wall control unit TAB-10-16: 10" Android touch screen

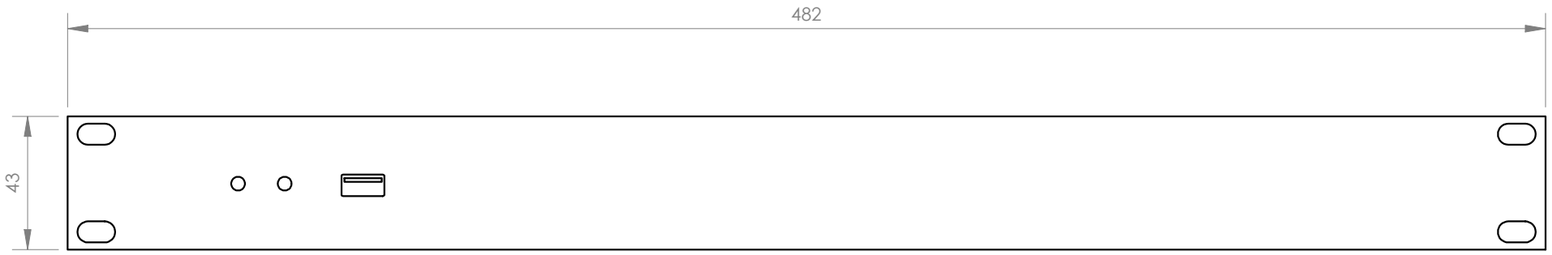
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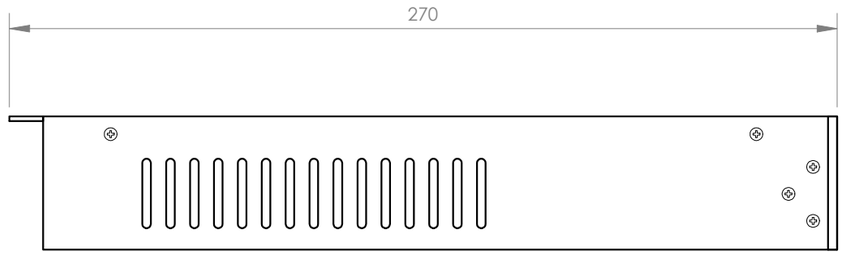


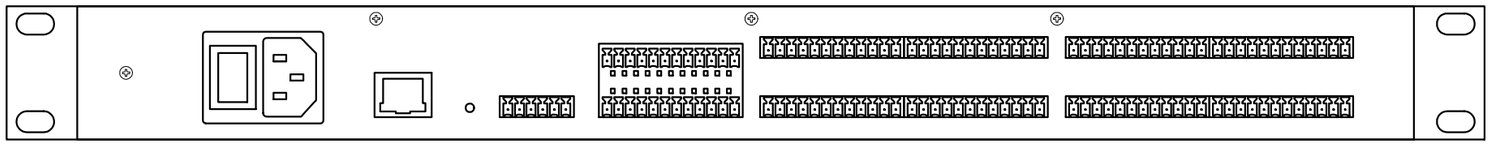
Product:
NMX-matrix Block Diagram

Date: 2025-01-10

FONESTAR
www.fonestar.es







FONESTAR	Model	Description	Units	Scale
	NMX-1616	16 X 16 AUDIO MATRIX WITH DSP	mm	1:2