SYSTEMS AND CONTROL / ZONE SYSTEMS / DIGITAL

NMX-1616D

AUDIO MATRIX 16 X 16 ANALOG AND 16 X 16 DANTE WITH DSP, 8 GPIO









- 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-1616D

ESPECIALLY RECOMMENDED IN:



Sports facilities



Hotels



All sectors

DESCRIPTION

Audio matrix 16 x 16 analog channels and 16 x 16 DANTE channels with DSP, ADI SHARC 21489 architecture.

TECHNICAL CHARACTERISTICS

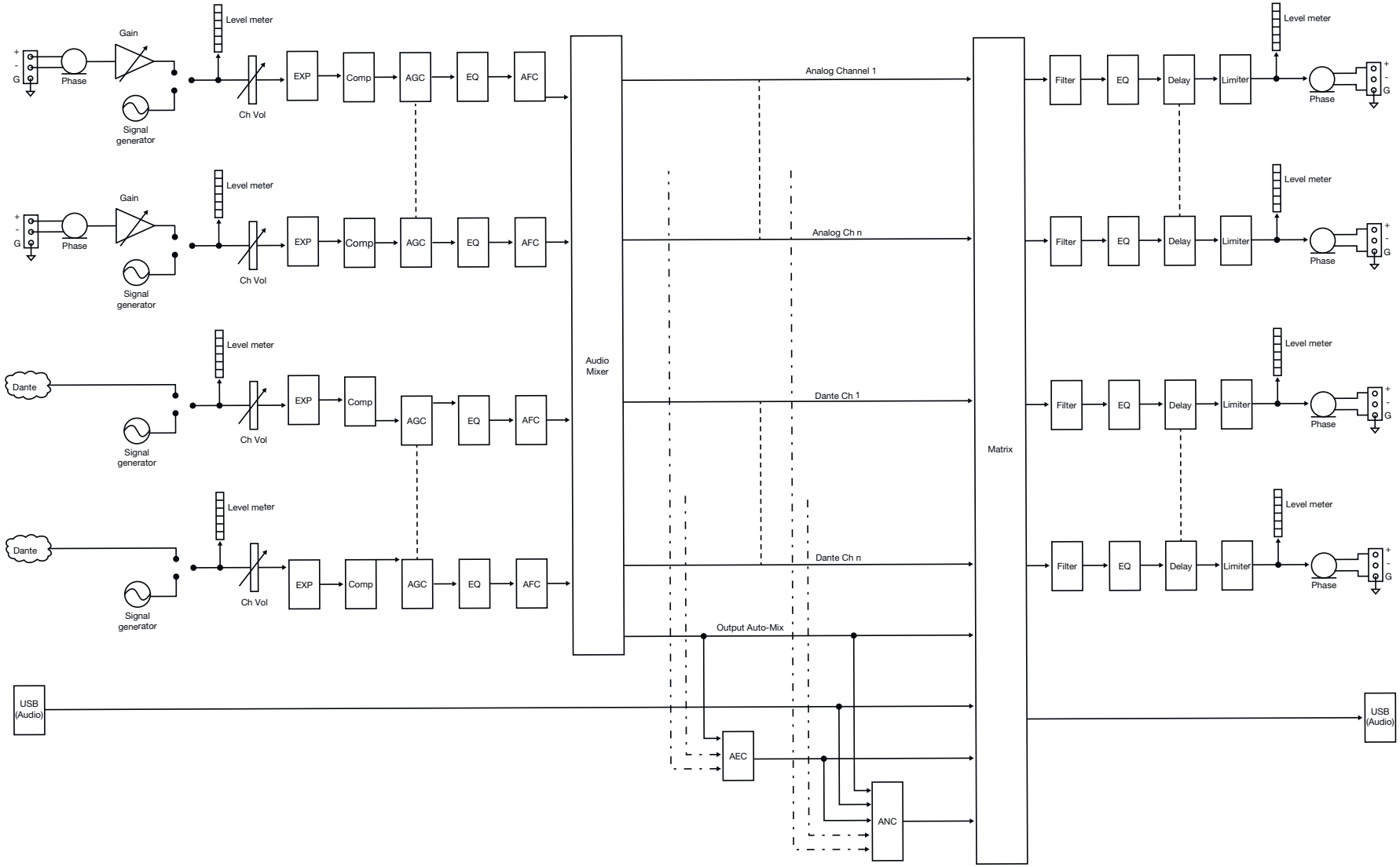
FEATURES	Audio matrix with DSP, ADI SHARC 21489 architecture 16 analogue inputs (Microphone / selectable 48V line with Phantom). 16 DANTE digital inputs. 16 analogue outputs. 16 DANTE digital outputs. USB sound card input and output channel. Algorithms: Echo Cancellation (AEC), Feedback Cancellation (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 for each output channel between crossover, parametric filter, graphic filter, delay and limiter. Two-channel stereo linking, 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 16 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	16 balanced lines. Signal level: max. 6.15 V RMS (+18 dBu) 600 Ohm. 112 dB dynamic range. Euroblock connector 16 DANTE digital output channels
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, 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

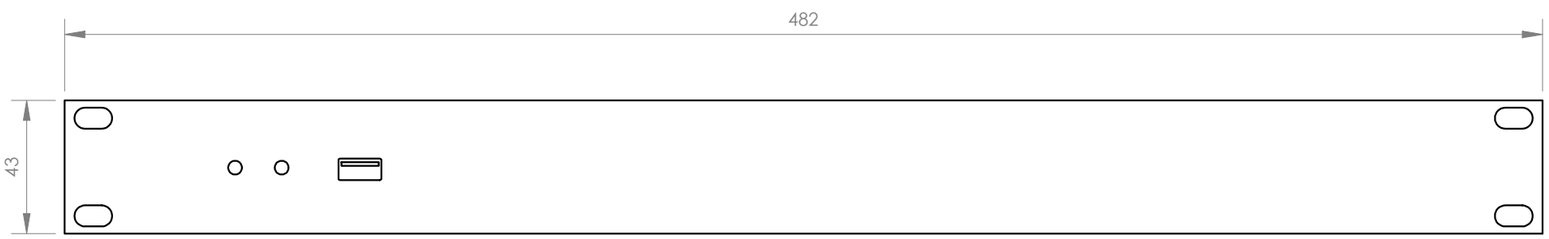
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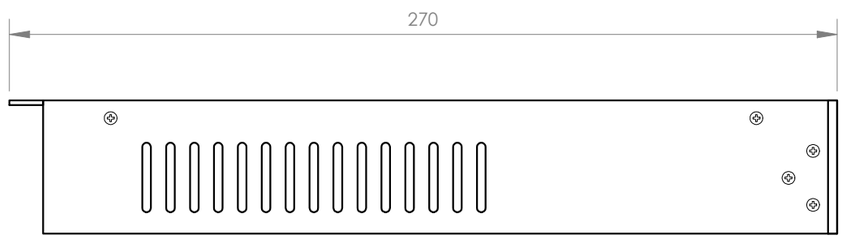


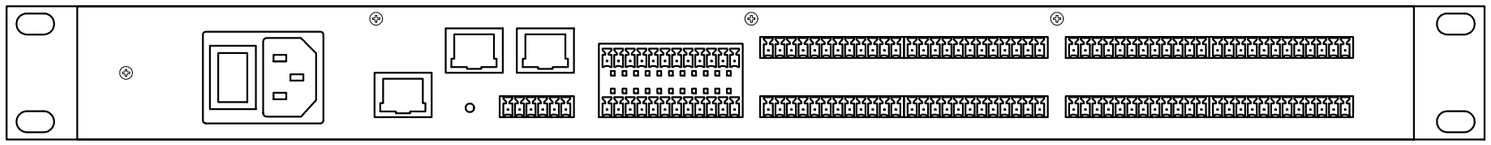
Product:
NMX-matrix Block Diagram

Date: 2025-01-10

FONESTAR
www.fonestar.es







FONESTAR	Model NMX-1616D	Description 16 X 16 AUDIO MATRIX WITH DSP AND OPTIONAL DANTE CARD	Units mm	Scale 1:2