





LDA audioTech
 DESIGNED AND MADE IN SPAIN

NEO

PA/VA System EN 54-16

- 8 built-in amplifiers of 120W or 4 of 250W @ 70/100V.
 - Digital Audio Matrix 40 x 1024.
 - 5 balanced analogue audio inputs + 32 digital audio inputs.
 - 8 zones or up to 1024 zones with NEO-Extension units.
 - Up to 8 external Multi-Zone Paging microphones or remote Voice Alarm panels.
 - DSP: 7-band I/O Parametric Equalizer, audio filters and independent volume control per I/O.
 - Internal Line Supervision and Back-up amplification.
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- 4,3" Frontal touch screen.
 - Integrated emergency microphone and dual message player.
 - 4GB of internal memory for pre-recorded messages.
 - Override of attenuators control.
 - Integrated frontal loudspeaker for monitoring.
 - 14 programmable GPIO ports.
 - 8 Pre-amp outputs.
 - 12 contact relay for integration with Fire Control Panel.
 - FlexNET Technology: automatic redundant connection (through Ethernet).
 - Audio over Ethernet (Cobranet).
 - Multi-site NEO system with SIME software control.
 - Built-in back up amplification and line supervision.

Technical Specifications

Power supply	110-120V / 220-240V~ 50/60Hz
Power consumption	550W max / 120W at 1/8 output power
Frequency response	80 - 20.000Hz +/-3dB
Signal to noise ratio	R>95dB, A-weighted
Distortion factor	<0,05% in accordance with 60268-3 (-10dBV)
Gain adjustment per channel	-100dB -0dB, 1dB steps
DSP	Integrated. 48 kHz, 24 bits – 344 MIPS
FlexNET /Cobranet	3 x FlexNET Redundant (automatic switching) / Cobranet, Ethernet10/100Mbps. Female RJ-45
Audio Inputs	5 x Balanced audio 1Vpms-0dBV. 10 KΩ, 3Pin, Euroblock Type
Mic Inputs	1 x Balanced audio 1Vpms-0dBV. 10 KΩ, Female RJ-45, Total 800m. / 2624,7ft
Pre-amp Audio Outputs	8 x Balanced audio 1Vpms-0dBV. 100 Ω, 3Pin, Euroblock Type
Rec. Audio / Ctrl. Outputs	1 x Balanced audio,1Vpms-0dBV. 0 – 5V DC output , 4Pin, Euroblock Type
ATT Control	8 x Override 24V DC, 40mA, 2 Pin, Euroblock Type (4 pin connector)
Emergency Control Inputs	10 x 0 – 5V DC, Monitored inputs, 2 Pin, Euroblock Type (4 pin connector)
Emergency Control Outputs	2 x Relay contact Isolated Output, NO, Max 60V DC 130mA,
Virtual matrix	40 x 1024
General control (GPIO)	14 x Control I/O, 0-5 V, 100 Ω, 3Pin, Euroblock Type
Amplifier	8x Class D, 120 W @70/100V. Min load 166 Ω 4x Class D, 250 W @70/100V. Min load 83 Ω
Speaker Outputs	16 (8 dual managed lines) x 70/100V. 2 Pin, Euroblock Type (4 pin connector)
Speaker Loop Input	16 (8 dual) x Dry Contact, 3 Pin, Euroblock Type.
Spare Amplifier Inputs	8 x 120W @ 70/100V (max. input power), 2 Pin, Euroblock Type (4 pin connector)
Protection	Over-temperature, DC, infrasonic, short circuit, slow start-up, overload. Start-up test.
Emergency Power Input	1 x 20 - 28V DC, 20A, Fused, 2 Pin, Euroblock Type.
Emergency Power Status Inputs	3 x NO – NC, 3 Pin, Euroblock Type
Display	TFT 480x272 4,3" with Touch Panel
Operating Condition	-5 °C to +45 °C / 23 °F to 113 °F. 5% to 95% Relative humidity (No condensation)
Finish	Front: Fe, Grey RAL 7016 Back: Fe, Black RAL 9005 Case: Al, Black RAL 9005
Weight	12 Kg / 26,5 lb
Dimensions (W x H x D)	483mm x 88mm x 455mm / 19" x 3,46" x 18"
Accessories	2 x Rack mounting, Male Euroblock connectors, installation screws, 4 x Rubber foot, 1 x Power cable 2m / 6,5 6ft (EU Type), 1 x Ethernet Cable 2m / 6,56ft.

EN 54-16

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EN 60849

FlexNET CobraNet®

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