

### Highlights:

- 8 Mic/line inputs, 8 flex inputs/outputs and 8 outputs
- 24 fully flexible GPIO in- or outputs
- Up to 64 x 64 x Dante/ AES67 channels (16 x 16 included)
- Acoustic Echo Cancellation (4 channels) – Optional add-on
- Event Handler (trigger & timed event scheduling)
- Auto-update (OTA) feature
- WaveTune™ & WavePreset™ audio processing
- Superior sound quality & low latency
- Compatible with all AUDAC network control devices (incl 3 party equipment)
- 16 Stereo or up to 32 mono flexible zones (all combinations possible)

### Product information:

The LUNA-F is the next-generation audio matrix processor, offering highly flexible and scalable system solutions for audio distribution from medium-sized to the largest enterprise solutions. The internal structure provides unseen flexibility and a vast number of possibilities for an audio distribution system. The powerful DSP's (dual SHARC) combined with 32-bit ADC and DAC converters allow the most extensive signal processing with superb audio quality.

It includes 8 Mic/Line Inputs, 8 flex channels that can be switched between 8 Mic/Line Inputs or Line level output, and 8 Line level outputs. Additionally, up to 64x64 Dante™/AES67 I/O Channels are available with primary and secondary ethernet ports, allowing the integration of the system with any Dante™/AES67 compatible audio over IP I/O units with redundancy.

The flexible architecture allows fully flexible mapping of the signal path to any of the 32 mono or 16 stereo zones, while the powerful DSP resources provide unique processing features on all input channels, output channels, and zones. Dante-enabled paging microphones and smart wall panels make the complete system solution even more flexible and unique.

The internal Linux core provides the entire control of the LUNA series while also accommodating messaging, event scheduling, and implementation possibilities for future Linux-based functions. In addition to full network control, RS-232 and RS-485 interfaces are available for receiving third-party serial communication. For your system solution, you can easily incorporate the control of the entire system and compatible devices into your user interface by using our simplified design and system control platform, AUDAC Touch™.



### Certification:



### Additional Inputs:



## Applications:

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- Corporate
- Sporting facilities
- Hotels
- Bars & Restaurants
- Education
- Government facilities

## System specifications:

Inputs	Mic / Line inputs	8
	Flex inputs / outputs	8
	GPIO Inputs	24 (flex)
	USB Inputs (Type C)	Front (file transfer) Rear (file transfer) Mass storage for messages
Outputs	Line outputs	8
	GPIO Outputs	24 (flex)
	Fault	NO & NC relay contact
Network audio I/O	16x16 Dante™/AES67 I/O Channels (Up to 64x64 Channels with SL-NAC8)	
Zones	32 Mono	
	16 Stereo	
Configurable settings	ALC (Automatic Gain control)	Yes
	AEC (Acoustic Echo cancellation)	Yes (optional)
	Integrated event scheduler	Yes
	Phantom power on inputs	+48 V DC
	WaveTune (input & zone)	7-band EQ
	WavePreset (output)	12xBiquad +LP+HP
	Delay (output)	2000 ms
	Mono / stereo zones (configurable)	Yes
	Mixing	Yes
	Talkover	Yes
	Paging	Yes
	Priorities	4 each zone
	Integrated generator	Sine or Pnoise or Wnoise
	Output Volume offset	Yes
Others	Antiphase, bass & treble, input volume, ...	
DSP Processor	Dual core SHARC	
	ARM Linux core	
	2 Dedicated co-DSP	
Configuration	Audac Touch™	
Controls & indicators	Front panel	2.8" LCD Display with rotary encoder
	Interface ports	RS-232

RS-485

2 x Gigabit Ethernet (RJ45 primary & secondary)

Power

Supply

100 ~ 240 V AC / 50 ~ 60 Hz

24 V DC

## Product Features:

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Dimensions 18.98 x 1.73 x 13.19 " (W x H x D)

Mounting 19"

Unit height 1 HE

Construction Steel

Colours Black (RAL9005)