



LUNA-F

Flexible network audio matrix processor

Highlights:

- A scalable mixture of analogue and network channels
- 8 Mic/line inputs, 8 flex inputs/outputs and 8 outputs
- 24 fully flexible GPIO in- or outputs
- 16 x 16 included Dante™/AES67 channels (optional expandable up to 64 x 64)
- Compatible with all Dante™/AES67 paging/in & output devices
- 32 mono or 16 stereo flexible zones
- 4 AEC channels (optional)
- Works out of the box thanks to easy scalable architecture
- Single design and control platform - AUDAC Touch™
- AudioBridge for flexible audio transfer for all inputs & outputs
- Auto-update (OTA) feature

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 brings the entire control of this system and family members together, while also accommodating messaging, event scheduling, and implementation possibilities for further Linux-based functions. Besides the full network control, other options like RS-232 and RS-485 are also implemented for third-party control. 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:



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 (target)
	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:

Dimensions	482 x 44 x 335 mm (W x H x D)
Mounting	19"
Unit height	1 HE
Construction	Steel
Colours	Black (RAL9005)



