Highlights:

- A scalable mixture of analogue and network channels
- 12 Mic/line inputs and 8 balanced outputs
- 12 GPIO inputs and 12 outputs
- Expandable up to 32 x 32 Dante™/AES67 channels (with optional extension card)
- Compatible with all Dante™/AES67 paging/in & output devices (Optional)
- 32 mono or 16 stereo flexible zones
- Works out of the box thanks to easy scalable architecture
- Unmatched flexibility for input, output & zone mapping
- Single design and control platform - AUDAC Touch™
- AudioBridge for flexible audio transfer for all inputs & outputs
- Auto-update (OTA) feature

Product information:

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

It includes 12 Mic/Line Inputs and 8 Line level outputs. Additionally, up to 32 Dante™/AES67 I/O Channels are available with a single ethernet port, allowing the integration of the system with any Dante™/AES67 compatible audio over IP I/O unit.

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:

Dante™
Option available

Additional Inputs:

USB   TCP-IP

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System specifications:

Inputs	Mic / Line inputs	12
	GPIO Inputs	12 (in)
	USB Inputs (Type C)	Front (file transfer)
		Mass storage for messages
		Rear (file transfer)
Outputs	Line outputs	8
	GPIO Outputs	12 (out)
	Fault	NO & NC relay contact
Network audio I/O		Optional Dante™/AES67 (Up to 32x32 Channels with SL-NAC8)
Zones		32 Mono
		16 Stereo
Configurable settings	ALC (Automatic Gain control)	Yes
	AEC (Acoustic Echo cancellation)	No
	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
Configuration		Audac Touch™
Controls & indicators	Front panel	2.8" LCD Display with rotary encoder
	Interface ports	RS-232
		RS-485
		Gigabit Ethernet (RJ45 primary)

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)

LUNA-U

Product description
UNIFIED AUDIO MATRIX PROCESSOR

MM [INCH]	Scale	Outer dimensions (w x h x d)	Unit height	Weight
	1 : 2	483 x 44 x 317,5 mm 19 x 1,732 x 12,5 "	1 HE	3,68 kg 8,096 lbs

465 [18,307]

483 [19,016]

31,75 [1,25]

44 [1,732]

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