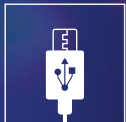# Smart Broadcast
Production Tools

PCIe SOUND CARDS / AoIP. ANALOG. DIGITAL.

USB AUDIO SYSTEMS / Mobile Recording Systems

Q-Mic / Mobile Mic Preamp for Smartphones

AUDIOWAY GATEWAYS / LEGACY AUDIO <> IP

digigram

Audio-over-IP & MADI Sound Cards

LX-Dante

**Multichannel Dante
PCIe Sound Card**

128 x 128 I/O

- Guarantees failsafe support of 128 x 128 audio over IP channels on a PC
- Offers very low latency: Round trip latency as low as 2.99ms
- Ensures interoperability with all Dante capable devices
- Allows exchanging audio channels with non Dante devices through AES67

- 128 x 128 redundant ch. at 44.1, 48 kHz, 88.2, 96 kHz
- 64 x 64 redundant ch. at 176.4 or 192 kHz
- AES67 compatibility (48 samples per packet, 48 kHz, SAP)

LX-IP

**Synchronous AoIP & MADI
Multichannel PCIe Sound Card**

**64/64 AES67/RAVENNA I/O channels
64/64 MADI I/O optical channels (option)**

- High-Density, ultra-low latency and phase accurate AoIP / PC / MADI bridge
- Secure content delivery: HW-based permanence of service
- Same latency as Digital audio: Sub-millisecond round trip latency
- Interoperability: Fully compliant with triple standards AES67, RAVENNA and MADI
- WordClock input and output

- 64/64 AES67/RAVENNA I/O channels on each of the two Gigabit Ethernet interfaces, fully compliant with AES67, including Unicast SIP support
- 64/64 I/O MADI optical channels (option)Ultra-low sub-millisecond round trip latency

LX-MADI

**Multichannel MADI
PCIe Sound Card**

64/64 I/O MADI optical channels

- MADI interface: 64 in / 64 outputs MADI channels on Optical multimode interface
- Sub-millisecond round trip latency
- WordClock input and output
- Automatic backup switching between clock sources

- MADI (Multichannels Audio Digital Interface) inputs and outputs:

  64 /64 Inputs / Outputs (mono) or 56/56 I/O Outputs at 48 kHz sampling frequency and 32 /32 Inputs / Outputs at 96 kHz sampling frequency

Sound Cards. Made by DIGIGRAM

- Designed for 24/7 mission critical operations
- Provides broadcast-ready reliability for high quality recordings, processing, and multi-channel playout.
- Very low latency
- Drivers: ASIO, WASAPI, DirectSound, ALSA
- Supports Thunderbolt chassis, e. g. OWC Mercury Helios, Sonnet Echo Express SE II, Magma ExpressBox 1T 1 Slot.

All cards support Windows 10, 8, Windows 7 (32 and 64 bits), Vista, Windows XP, Linux

Analog & Digital Sound Cards

**ANALOG
AES/EBU
AES42**

Mic Preamp
1 x

VX222e-Mic

**PCIe Sound Card with additional
high-quality MicPreamp / AES42 input**

2 x Analog I/O + AES/EBU I/O

- High audio quality stereo sound card that supports balanced analog and AES/EBU audio
- One balanced microphone input mixed with each line input (analog gain up to +66dB) before ADC, with s48V phantom power and adjustable analog expander/compressor/limiter
- On-board 3band parametric EQ and Maximizer
- AES11 sync input
- Digital input (stereo): AES/EBU, AES42 compatible

- Analog line input (mono): 2 balanced, +24 dBu
- Analog line out (mono): 2 x servo-balanced, +24 dBu

Programmable gain:
- Input analog: from -94 dB to +16 dB
- Input digital: from –110 dB to +18 dB
- Output analog: from –24 dB to +24 dB
- Output digital: from –110 dB to +18 dB

**ANALOG
AES/EBU**

Headphone out

VX222e-S

**Reference Stereo PCIe Sound Card for
Broadcast audio workstations**

2 x 2 Analog + AES/EBU I/O (SRC)

- High audio quality sound card that supports balanced analog and AES/EBU audio
- Stereo headphone output (600 W)
- AES/EBU I/O, with hardware SRC on each input, (ratio from 1:8 to 7,5:1), up to 192 kHz
- On-board 3-band parametric EQ and Maximizer effects
- Synchronisation inputs: AES11, Word clock, video black burst, LTC

- Analog line input (mono): 2x balanced, +24 dBu
- Analog line output (mono): 2 x servo-bal., +24 dBu

Programmable gain:
- Input analog: from -94 dB to +16 dB
- Input digital: from –110 dB to +18 dB
- Output analog: from –24 dB to +24 dB
- Output digital: from –110 dB to +18 dB

**ANALOG
AES/EBU**

VX442e

**PCIe Sound Card for
Broadcast audio workstations**

4 x 4 Analog + AES-EBU I/Os

- Developed for the broadcast industry
- 2 x AES/EBU I/O, with hardware SRC on each input, (ratio from 7.5:3 to 8:1), up to 192 kHz
- On-board 3-band parametric EQ and Maximizer effects
- Synchronisation inputs: AES11, Word clock, video black burst, LTC

- Analog line input (mono): 4x balanced, +24 dBu
- Analog line output (mono): 4 x servo-bal., +24 dBu

Programmable gain:
- Input analog: from –94.5dB to +15.5 dB
- Input digital: from –110 dB to +18 dB
- Output analog: from –86 dB to +24 dB
- Output digital: from –110 dB to +18 dB

**ANALOG
AES/EBU**

VX822e

**Analog & AES/EBU PCIe Sound Card
for Broadcast audio workstations**

2 x 8 Analog / 2 x 8 AES-EBU channels

- 4 x stereo AES/EBU output, up to 192 kHz 1 x stereo AES/EBU input with hardware SRC (ratio from 7.5:3 to 8:1), up to 192 kHz
- Adjustable I/O analog and digital gains
- Onboard 3-band parametric EQ and Maximizer
- Synchronisation inputs: AES11, Word clock, video black burst, LTC

- Analog line input (mono): 2x balanced, +24 dBu
- Analog line output (mono): 8 x servo-bal., +24 dBu

Programmable gain:
- Input analog: from –94.5dB to +15.5 dB
- Input digital: from –110 dB to +18 dB
- Output analog: from –86 dB to +24 dB
- Output digital: from –110 dB to +18 dB

All cards support Windows 10, 8, Windows 7 (32/64 bits), Vista, XP & Linux / Drivers: ASIO, WASAPI / DirectSound, ALSA

AES/EBU

VX881e

AES/EBU PCIe Sound Card for Broadcast audio workstations

4 x AES-EBU I/O (8 x 8 Channels)

- 4 x stereo AES/EBU output
- 1 x stereo AES/EBU input with hardware SRC
- Adjustable I/O analog and digital gains
- Onboard 3-band parametric EQ and Maximizer
- Synchronisation inputs: AES11, Word clock, video black burst, LTC

- Digital input (stereo): 4 x AES/EBU with hardware SRC, 7.5:1 to 1:8, up to 192 kHz
- Digital outputs (stereo): 4 x AES/EBU, up to 192 kHz
- Other inputs: AES/EBU Sync (up to 192 kHz), Word clock (up to 96 kHz), LTC, Video

Programmable I/O gain:
- digital: from −110 dB to +18 dB

ANALOG AES/EBU

VX882e

Analog & AES/EBU PCIe Sound Card for Broadcast audio workstations

8 x 8 Analog / 8 x 8 AES-EBU channels

- 8 x balanced analog output / 8 x balanced analog input (+24 dBu max level)
- 4 x stereo AES/EBU I/O with hardware SRC on Inputs with SRC (ratio from , 7.5:1 to 1:8), up to 192 kHz
- Adjustable I/O analog and digital gains
- Onboard 3-band parametric EQ and Maximizer
- Synchronisation inputs: AES11, Word clock, video black burst, LTC

- Analog line input (mono): 2 x balanced, +24 dBu
- Analog line output (mono): 8 x servo-bal., +24 dBu

Programmable gain:
- Input analog: from −94.5dB to +15.5 dB
- Input digital: from −110 dB to +18 dB
- Output analog: from −86 dB to +24 dB
- Output digital: from −110 dB to +18 dB

AES/EBU

VX1221e

Multichannel AES/EBU PCIe Sound Card for 24/7/365 use

2 x 12 AES-EBU channels

- 6 x stereo AES/EBU output
- Stereo AES/EBU input with hardware SRC
- Adjustable I/O digital gains
- On-board 3-band parametric EQ and Maximizer
- Synchronisation inputs: AES11, Word clock, video black burst, LTC

- Digital input (stereo): 1 x AES/EBU with hardware SRC, 7.5:1 to 1:8, up to 192 kHz
- Digital outputs (stereo): 6 x AES/EBU, up to 192 kHz

Programmable input/output gain:
- digital from −110 dB to +18 dB

ANALOG AES&EBU

VX1222e

Multichannel Analog & AES/EBU PCIe Sound Card for 24/7/365 use

2 x 12 Analog channels / 2 x 12 AES-EBU channels

- 6 x stereo AES/EBU output
- Stereo AES/EBU input with hardware SRC
- Adjustable I/O analog/digital gains
- 12 x Analog output / 2 x Analog input
- Adjustable input and output digital gains
- On-board 3-band parametric EQ and Maximizer
- Word clock output (up to 96 kHz)

- Digital input (stereo): 1 x AES/EBU with hardware SRC, 7.5:1 to 1:8, up to 192 kHz
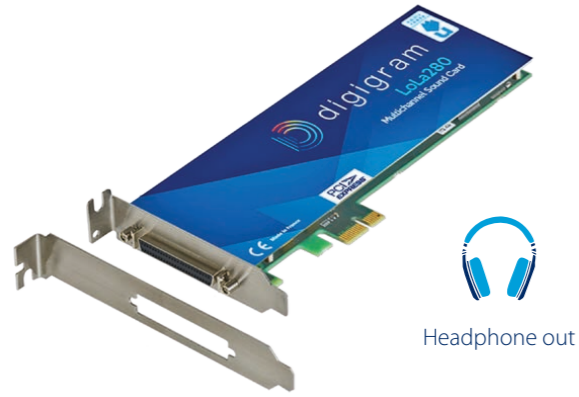- Digital outputs (stereo): 6 x AES/EBU, up to 192 kHz

Programmable gain:
- Input analog: from −94.5dB to +15.5 dB
- Input digital: from −110 dB to +18 dB
- Output analog: from −86 dB to +24 dB
- Output digital: from −110 dB to +18 dB

All cards support Windows 10, 8, Windows 7 (32/64 bits), Vista, XP & Linux / Drivers: ASIO, WASAPI / DirectSound, ALSA

ANALOG

Headphone out

LoLa280

Analog PCIe Sound Card
for Broadcast audio workstations

8 x 2 Analog channels

- Developed for professional audio recording and logging applications / Very low latency
- Eight balanced analog outputs and two balanced analog inputs, +24 dBu max level
- Digital hardware mixer: input mix monitoring, mixing up to 8 playback channels to the 2 outs
- Word clock I/O
- AGC on all inputs
- Stereo headphones on TRS 3,5 mm

- Analog line inputs (mono): 8 x balanced, +24 dBu
- Analog line outputs (mono): 2 x balanced, +24 dBu

Adjustable gain (manager):
- Input analog: from −90 dB to +18 dB
- Input digital: from +18 dB to +36 dB
- Output analog: from −48 dB to 0 dB.
- digital: from -110 dB to +12 dB

AES/EBU

LoLa881-SRC *

Analog Multichannel PCIe Sound Card
for Broadcast audio workstations

4 x AES/EBU I/O (8 x 8 channels) - SRC

- 4 x AES/EBU I/O with hardware SRC on each AES/EBU input
- Synchronisation inputs: AES11, Word clock, video black burst, LTC
- Developed for the broadcast industry
- Very low latency
- Breakout cable or breakout box (BOB16AES) with XLR connectors for audio connectivity
- Word clock I/O

- Digital I/O (stereo): 4 x AES/EBU (20 kHz to 192 kHz)
- Hardware sample rate converters (LoLa16161-SRC): conversion ratio 16:1 - 1:16, 20 kHz to 192 kHz, Dynamic: 144dB, THD+N: -140dB

* available as LoLa881 without hardware SRC

AES/EBU

LoLa16161

Multichannel AES/EBU PCIe
Sound Card with SRC

8 x AES/EBU I/O (16 x 16 channels)

- 8 x AES/EBU I/O
- Synchronisation inputs: AES11, Word clock, video black burst, LTC
- Developed for the broadcast industry
- Very low latency
- Breakout cable or breakout box (BOB16AES) with XLR connectors for audio connectivity
- Word clock I/O

- Digital I/O (stereo) : 8 x AES/EBU (20 kHz to 192 kHz)
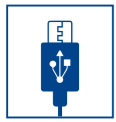
AES/EBU

LoLa16161-SRC

Multichannel AES/EBU PCIe
Sound Card with SRC

8 x AES/EBU I/O (16 x 16 channels) - SRC

- 8 x AES/EBU I/O with hardware SRC on each AES/EBU input
- Synchronisation inputs: AES11, Word clock, video black burst, LTC
- Developed for the broadcast industry
- Very low latency
- Breakout cable or breakout box (BOB16AES) with XLR connectors for audio connectivity
- Word clock I/O

- Digital I/O (stereo) : 8 x AES/EBU (20 kHz to 192 kHz)
- Hardware sample rate converters (LoLa16161-SRC): conversion ratio 16:1 - 1:16, 20 kHz to 192 kHz, Dynamic: 144dB, THD+N: -140dB

All cards support Windows 10, 8, Windows 7 (32/64 bits), Vista, XP & Linux / Drivers: ASIO, WASAPI / DirectSound, ALSA

ANALOG AES/EBU

4x Mic Preamp

Headphone out

CANCUN 442-Mic

2x Mic Preamp

Headphone out

CANCUN 222-Mic

Mobile production toolbox for record and edit Broadcast quality audio

4 x 4 Analog + 2 x 2 AES-EBU I/Os
(8 + 8 I/O Channels)

2 x 2 Analog + 1 x 1 AES-EBU I/Os
(4 + 4 I/O Channels)

- Record and edit Broadcast quality audio: Console class Mic Preamp and ultra-high precision clock
- Ultra-robust and compact form factor in slim, streamlined design
- Zero latency embedded mixer
- Simultaneous AES/EBU and analog connectivity (8/8 or 4/4 I/Os)
- USB Class 2.0 compliant for control from PC, Mac OS and iOS apps
- Stand alone A/D & D/A converter mode
- Ultra-robust design and high end connectors

Built on a long tradition of uncompromising equipment, CANCUN is a high-performance sound card that embeds native USB Audio streaming, mixing and processing in an ultra-robust yet stylish casing.

Perfect for any Broadcast or live event application on a PC or Mac.

Simultaneous AES/EBU and analog connectivity:
- Analog I/Os (mono): 4 (442-Mic) or 2 (222-Mic) balanced - 1 x XLR female for left input channel
- Digital I/O (stereo): 2x (442-Mic) or 1x (222-Mic), AES/EBU (AES3-2003) compliant

Best-in-class audio performance:
- excellent Mic preamps (+55 dB gain, -105 dB THD+N, -126 dB EIN)
- professional analog level max +25 dBu
- guaranteed low latency (< 4 ms)

ANALOG

2x Mic Preamp

Headphone out

UAX220-Mic

Bus-powered USB stereo interface for professional voice recording

2 x 2 balanced analog high-quality I/Os with professional Mic Preamps

- 2 x balanced analog mono mic/line input / 2 x balanced analog mono output (+10 dBu max signal level)
- Stereo headphone output with knob for gain adjustment
- Switchable zero-latency direct hardware monitoring (mixed with the playback)
- Neutrik connectors (XLR, 6.35mm jack)
- Very easy to use: self powered on USB, no driver to install
- Allows using high quality dynamic and static (condenser) microphones
- Can be used on any PC, under Windows, Linuc, or Mac OSX

Analog line inputs (mono): 2 x balanced mic/line with
- professional high-quality preamps with switchable 48 V phantom power supply (mono)
- Maximum input level/impedance: +10 dBu / >10 kOhms

Analog line outputs (mono): 2 x servo-balanced
- Programmable output gain: from -60 dBr to +10 dBr, by steps of 1 dB

1 x Stereo headphones output with dedicated output stage and level adjustment knob (Maximum output power/minimum load: 2*40 mW / 32 Ohms)

All cards support Windows 10, 8, Windows 7 (32/64 bits), Vista, XP & Linux / Drivers: ASIO, WASAPI / DirectSound, ALSA

Professional dynamic MIC preamp for smartphones/tablets

NEW

Q-Mic is a powerful, ergonomic and lightweight preamplifier - designed specifically for on-field reporters to record high quality audio.

Q-Mic's battery-less design paired with ultra-low power consumption from the smartphone/tablet, ensures long and uninterrupted professional quality audio recording.

3.5 mm stereo heaphones out

3.5 mm line input

1x

Mic Preamp

Rugged design with lightweight casing

Adjustable microphone gain levels

FEATURES

- Extremely low power consumption
- Compatible with all latest smartphones / tablets
- Dual connectivity
- Light and ruggedized casing and connectors
- Compatibility: All CTIA compliant smartphones / tablets

SPECIFICATIONS

- Dimensions: 70 mm x 30 mm x 18 mm
- Gain levels: +24 dB / +7 dB / -11 dB
- Input ports:
  – XLR microphone cable
  – Line (mini-jack 3.5 mm, stereo-to-mono conversion)

- Output port : 3.5 mm mini-jack
- Amplified output to smartphone
- Headphone monitoring output

AUDIOWAY Bridge B1

Now with AES67

Dante SPOKEN HERE

MADI

AES/EBU

Gateway between AES67/Dante <> MADI <> AES/EBU

64 x 64 I/O Dante I/O - 64/64 MADI I/O - 16/16 AES/EBU I/O

- Seamless studio management with AVS-monitor, Dante Controller and multiple presets
- Reduce the cost and complexity of AoIP integration into your studio infrastructure
- Full audio formats routing
- 24/7 mission-critical operation with dual AC/DC power supply
- Dante network redundancy

- 4 x GPI/O - individually configurable. GPI can be set as ADC level input
- Sampling rate: 44.1 kHz, 48 kHz, 88.1 kHz, 96 kHz (48 kHz for AES67 interoperability)
- MADI optical + BNC: 56/64 ch. mode S-Mux or Multiple Rate
- 16 Mono AES/EBU digital inputs/outputs via D-Sub 25, 24 bit, 110Ω, AES balanced

AUDIOWAY Bridge B2

Now with AES67

Dante SPOKEN HERE

MADI

Gateway between AES67/Dante <> MADI

64 x 64 I/O Dante I/O - 64/64 MADI I/O

- Seamless studio management with AVS-monitor, Dante Controller and multiple presets
- Reduce the cost and complexity of AoIP integration into your studio infrastructure
- Full audio formats routing
- 24/7 mission-critical operation with dual AC/DC power supply
- Dante network redundancy

- 4 x GPI/O - individually configurable. GPI can be set as ADC level input
- Sampling rate: 44.1 kHz, 48 kHz, 88.1 kHz, 96 kHz (48 kHz for AES67 interoperability)
- MADI optical + BNC: 56/64 ch. mode S-Mux or Multiple Rate

AUDIOWAY Bridge B3

Now with AES67

Dante SPOKEN HERE

AES/EBU

Gateway between AES67/Dante <> AES/EBU (SRC on inputs)
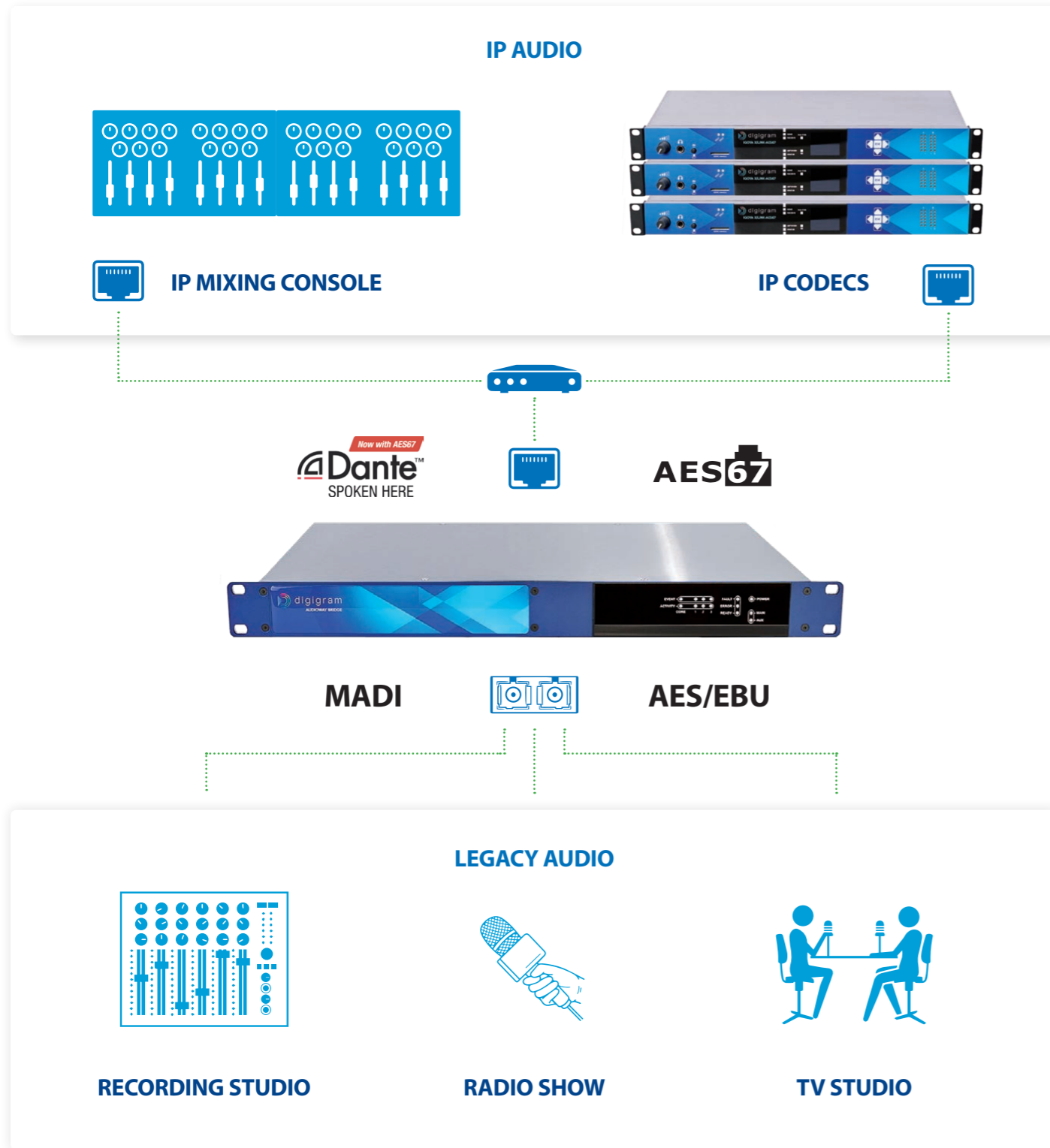
64 x 64 I/O Dante I/O - 16/16 AES/EBU I/O

- Seamless studio management with AVS-monitor, Dante Controller and multiple presets
- Reduce the cost and complexity of AoIP integration into your studio infrastructure
- Full audio formats routing
- 24/7 mission-critical operation with dual AC/DC power supply
- Dante network redundancy

- 4 x GPI/O - individually configurable. GPI can be set as ADC level input
- Sampling rate: 44.1 kHz, 48 kHz, 88.1 kHz, 96 kHz (48 kHz for AES67 interoperability)
- 16 Mono AES/EBU digital inputs/outputs via D-Sub 25, 24 bit, 110Ω, AES balanced

Dante/AES67 <> Legacy Audio Setup with AUDIOWAY Bridge

IP AUDIO

IP MIXING CONSOLE

IP CODECS

Now with AES67

Dante SPOKEN HERE

AES67

MADI

AES/EBU

LEGACY AUDIO

RECORDING STUDIO

RADIO SHOW

TV STUDIO

AUDIOWAY BRIDGE Specifications

DANTE interface

- 2 x Neutrik EtherCON RJ45 + 2 x RJ45 on integrated 4 ports Gigabit switch
- Compliant with AES67 interoperability recommendation
- Redundant in Dante mode with Primary and Secondary ports, replicated on ports 3 and 4
- Up to 64 / 64 AES67 or redundant Dante input/output channels, sample format 24 bits
- 32 / 32 input/output channels at 96 kHz

MADI interface

- 2 x 75 Ω BNC and 2 x SC multi/single-mode optical connectors, automatic switching
- Up to 64 digital inputs/outputs, 24 bits resolution
- MADI 56 / 64 channels mode S-Mux or Multiple Rate

AES/EBU INPUTS

- 2 x DB25 connector, YAMAHA pinout, AES59 levels
- 16 Mono AES/EBU digital inputs / outputs, 24 bits resolution , 110 Ω, AES balanced
- ASRC available on each stereo input (-140dB THD+N)

Routing and monitoring

- Up to 64x64x16 routing backplane, fully managed by the AVS-Monitor application
- Any output can monitor the routing backplane, whatever its technology

Control and monitoring Environment

- **AUVITRAN AVS-Monitor ®:** Smart PC application enabling remote setting, control, routing and monitoring of all AES/EBU, MADI or Dante audio streams and clocking status. Control pages manage the specific parameters of every audio interfaces cards. AVS-Monitor can simultaneously manage several AUDIOWAY BRIDGE on a LAN
- **Audinate Dante™:** For audio patch of any Dante device, and additional AoIP routing features: multicast/unicast; redundant mode or switch mode.
- **Dante Virtual Sound Card:** Optional Dante Virtual Soundcard software (license purchase required, see Audinate)

digigram

Smart IP and Legacy production tools
for reliable and high-quality Broadcast.

Dante™ SPOKEN HERE — Now with AES67

AES67

RAVENNA — Now with ST2110!

AES67 Livewire+

AES/EBU

MADI

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FOR THE AMERICAS

6600 NW 16th Street, Suite 10
Ft Lauderdale, FL 33313

www.synthax.com