

LX-MADI builds a high permanence-of-service bridge between the PC-based content management world of digital audio workstations and automation systems and the legacy synchronous audio world based on AES10 standard MADI (Multichannel Audio Digital Interface).

LX-MADI

The PCI Express MADI sound card for high density audio production and automation applications.



The LX-MADI sound card supports all mission critical high density broadcast in-house or mobile studio applications and live sound installations:

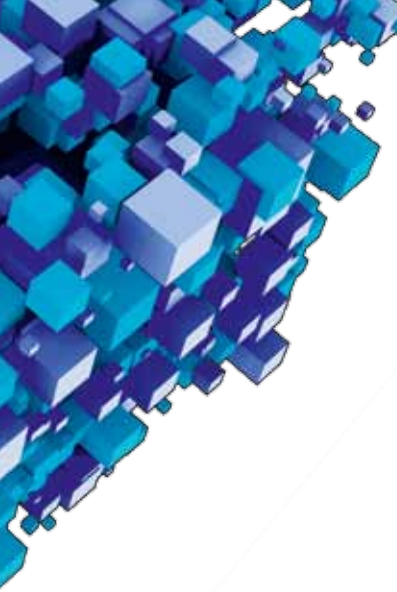
- Central facilities
- Production studios
- Distribution between studios and production
- Mobile studios / OB vans
- Connection with venue / event installations
- Live sound and fixed installations

Key features

- MADI optical port for simultaneous 64 Input/64 Output channels
- Low latency down to 1.8 ms round trip
- Performance maintained regardless of the computational load of other applications running on the host system

Specifications

- PCI Express bus, half-length
- Word Clock input
- Windows drivers: ASIO, WASAPI / DirectSound, Digigram np and ALSA
- Windows 8 and 7 32/64bits, Windows server 2003/2008, Linux



CONFIGURATION

Bus/Format	PCI Express® x1 (compatible x1, x4, x8, x16 slots)
Size	111.15 mm x 167.65 mm x 20 mm
Power requirements (+3.3V/+12V)	0.4 A / 0.12 A
Operating: temp / humidity (non-condensing)	0°C / +50°C • 5% / 90%
Storage: temp / humidity (non-condensing)	-5°C / +70°C • 0% / 95%

INPUTS AND OUTPUTS

Connectors	1 optical connector for MADI In/Out 1 BNC for Word Clock In
MADI (Multichannels Audio Digital Interface) inputs and outputs	64/64 Inputs/Outputs (mono) or 56/56 Inputs/Outputs at 48 kHz sampling frequency and 32/32 Inputs/Outputs at 96 kHz sampling frequency
Word Clock input	TTL input, impedance selectable by jumper (75 Ohms / HighZ)
Clock sources	Internal or Word Clock or MADI input
Sampling frequencies	Local clock precision : better than 10 ppm From local clock: 44.1 kHz, 48 kHz, 96 kHz From Word Clock: 44.1 kHz, 48 kHz, 96 kHz From MADI: 44.1 kHz, 48 kHz, 96 kHz

ENVIRONMENT

Latency and PC interface	Roud trip time down to 1.8 ms
Supported operating systems	Windows 8 and 7 32/64 bits, Windows server 2003/2008, Linux
Supported drivers	ASIO, WASAPI / low latency WDM DirectSound, Digigram np, ALSA

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