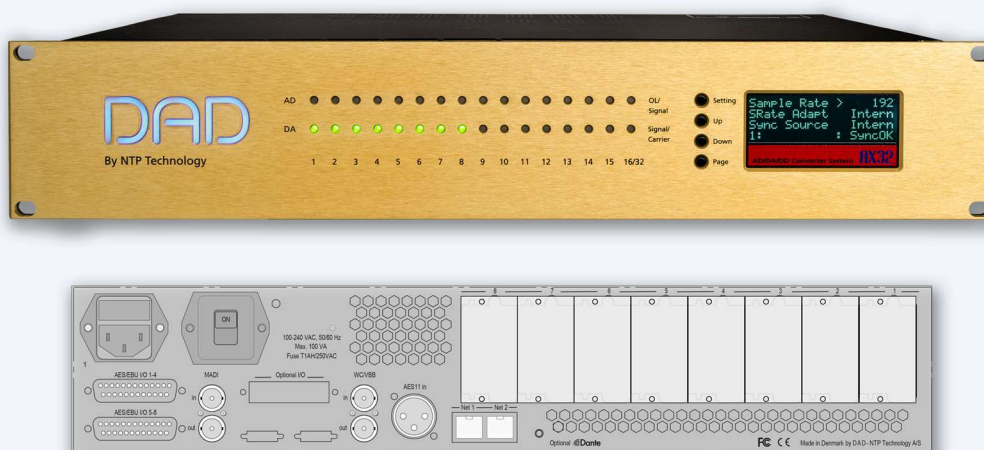




8-48 Channel AD/DA Converter & Digital Audio Matrix



Introduction.

AX32 is a multi-channel audio converter and modular microphone preamplifier for independent simultaneous AD and DA conversion as well as a digital format converter and router. The AX32 has as standard 8 stereo AES3 inputs and outputs and one MADI input and output connection. The AX32 can be fitted with up to 6 analogue cards or up to 8 digital cards. Optionally AX32 can be installed with a 64 ch. Dante module and a dual MADI and DADink module.

The DAD routing engine provides a 1,424x1,424 matrix where all inputs and outputs can be patched in any combination. In addition, a 256x32 channel summing processor is also available. Eight slots are available for optional expansion cards.

Features

- MADI I/O (64 channels at 48 kHz)
- AES3 I/O (16 channels at 48 kHz)
- Up to 1,024x1,024 channels I/O via optional cards
- Up to 256x256 DADLink channels or 128x128 MADI channels at 48 kHz via optional MOD-MADI-DADLNK and SFP modules
- 256x32 channel PRO | MON monitor control
- 28bit floating point processing
- Apple macOS and Windows compatible DADman control software
- Avid Eucon™ enabled devices via DADman
- Word Clock I/O, VBB sync input
- AES11 sync input
- 8 slots for expansion cards
- SKU: AX32-BASE2

Options and Accessories

Cards: CARD-L8, CARD-M8, CARD-DA8, CARD-2SDI, CARD-8AES, CARD-2MADI, CARD-2MADI-SO, CARD-DANTE, CARD-RAVENNA

PSU option: AX32-RPS

Modules: MOD-MADI-DADLNK
MOD-DANTE-BK3

MOD-SFP-1300-LZ (DADLink)
MOD-SFP-1300-LD (MADI)
MOD-SFP-COAX (MADI)



Specifications

Digital I/O and Synchronisation

Digital I/O formats/ Supported
sample rate: AES3 44.1 up to 384 kHz
MADI 44.1 up to 384 kHz
DADLink 44.1 up to 384 kHz
Dante option 44.1 up to 192 kHz

Latency: Internal system delay 7 samples, can
be set between 3 and 31 samples,
All outputs are time and phase
aligned

DADLink: 28bit floating point format
Latency zero samples.

Synchronisation:
Word Clock, Video Black Burst,
AES11
Dante, ADAT, MADI and DADLink

Network interface:
1000BASE-T, RJ45 connector,
4-pair connection

Electrical Specifications

Power Connection: Single Power Input
Dual Power Supply

Max rating mains: 90 W

Input voltage: 90 – 260 VAC
100 – 240 VAC Nominal,
47 – 63 Hz

Mains fuse: Mounted in IEC connector
1 A, T1AH/250V

Mains connector: IEC 60309

Power consumption: Digital section 15W
DAD I/O Options max 65W

Weight and Environmental

Weight: 5 kg / 11 lbs.

Measures: 19" rack mount, 2RU/8.89cm
Chassis depth, 35 cm/ 13.8"
Body width, 43.5 cm / 17.2"

Operating
Temperature: 0 – 45 °C / 32 – 113°F

Fan. 2 x super low noise internal
fans

Humidity: 20 to 85%, non-condensing

EMC Compliance: EN 55103-1, EN 55103-2,
FCC part 15, Subpart B

Safety Compliance: EN 60950-1:2006