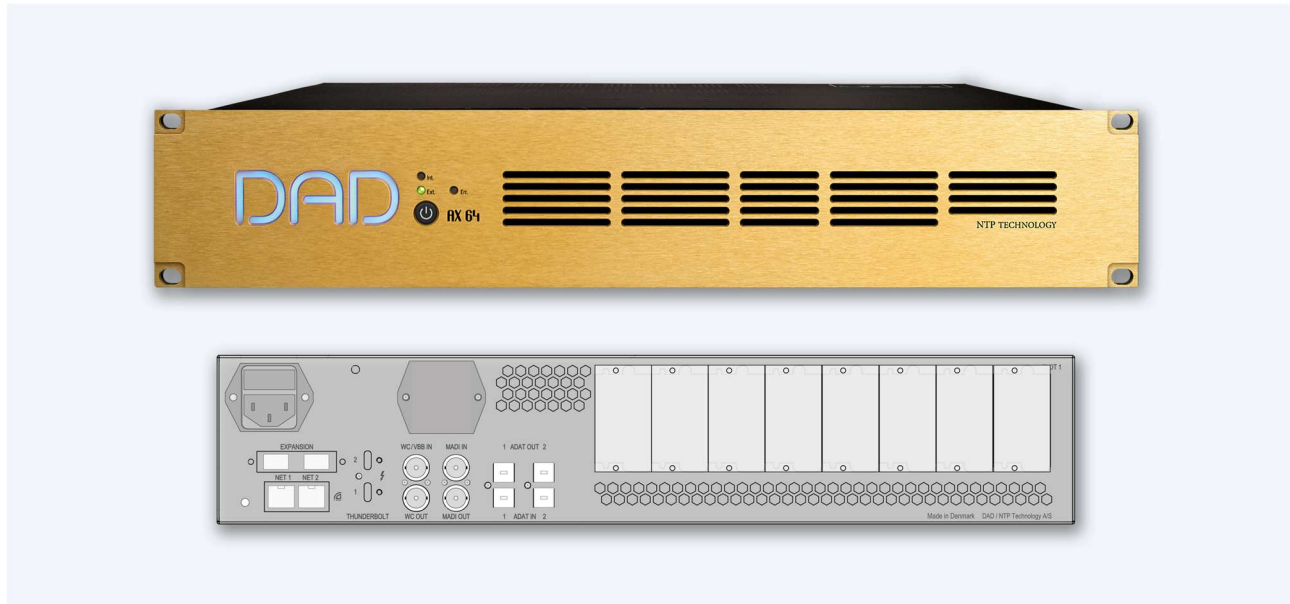


AX 64 Thunderbolt 3, DANTE, MADI and ADAT 8 slot Modular Analogue & Digital Audio Interface



Introduction.

AX64 is an extremely capable multi-channel audio converter and digital audio interface which is ideal in your sound studio or in Live music applications as a pristine and versatile multi-format, router and multi-channel audio interface.

The DAD routing engine provides a 1,872x1,872 matrix where all inputs and outputs can be patched in any combination. In addition, a 512x64 channel summing processor and a 1024 filter SPQ equalizer is also available. Eight slots are available for optional expansion cards.

Features

- Thunderbolt 3 I/O (256 channels at 48 & 96 kHz)
- Dante AoIP I/O (256 channels at 48 kHz, 128 channels at 96kHz)
- MADI I/O (64 channels at 48 kHz)
- ADAT I/O (16 channels)/SPDIF (2 channels)
- Up to 1,024x1,024 channels I/O via optional expansion cards
- Up to 256x256 DADLink channels or 128x128 MADI channels at 48 kHz via SFP modules
- 512x64 channel PRO | MON monitor control
- Speaker EQ 128 channel w 16 filters and channel delay up-to 1s
- Control | Pack for Playback Redundancy and Show Control
- 28bit floating point processing
- Apple macOS and Windows compatible DADman control software
- Apple macOS Core Audio and Windows ASIO compatible Thunderbolt audio drivers
- Avid Eucon™ enabled devices via DADman
- Control via Ethernet or Thunderbolt connection
- Word Clock I/O, VBB input
- 15W power on each Thunderbolt 3 port
- 8 slots for expansion cards
- SKU: AX64-BASE
- SKU: AX64-BASE-RPS (note AX64 can be ordered with dual power sockets)



Options and Accessories

Cards:	CARD-L8, CARD-M8, CARD-DA8, CARD-2SDI, CARD-8AES, CARD- 2MADI, CARD-2MADI-SQ, CARD- DANTE, CARD-RAVENNA	Modules:	MOD-SFP-1300-LZ (DADLink) MOD-SFP-1300-LD (MADI) MOD-SFP-COAX (MADI)
PSU option:	AX64-RPS	Controllers:	MOM-BASE JUNIOR-BASE

Specifications

Digital I/O and Synchronisation

Digital I/O formats/ Supported sample rate:	Dante™ IP audio and ADAT/SMUX 44.1 up to 192 kHz S/PDIF 2ch input on ADAT 44.1 up to 96 kHz Thunderbolt 3 and MADI 44.1 up to 384 kHz DADLink 44.1 up to 384 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, Dante, ADAT, MADI and DADLink
Network interface:	1000BASE-T, RJ45 connector, 4-pair connection
Thunderbolt 3 Interface:	2 x USB-C type connectors, supporting link functionality and 15w power on each port

Electrical Specifications

Power Connection:	Single Power Input or Dual Power Input Dual Power Supply (always)
Max rating mains:	120 W
Input voltage:	90 – 260 VAC 100 – 240 VAC Nominal, 47 – 63 Hz
Mains fuse:	Mounted in IEC connector 1.5A, T1AH/250V
Mains connector:	IEC 60309
Power consumption:	Digital section 15W DAD I/O Options max 70w Thunderbolt power max 2x15W

Weight and Environmental

Weight:	5.5 kg / 12.2 lbs.
Measures:	19" rack mount, 2RU/8.89cm Chassis depth, 34.5 cm / 13.6" Body width, 43.5 cm / 17.2"
Operating Temperature:	0 – 45 °C / 32 – 113°F
Humidity:	20 to 85%, non-condensing
EMC Compliance:	CISPR 32:2015, CISPR 32:2015/AMD1:2019, CISPR 35:2016, IEC 61000-3- 2:2018, IEC 61000-3-2:2018/AMD1:2020, IEC 61000- 3-3:2013, IEC 61000-3-:2013/AMD1:2017, IEC ICES-003, AS/NZS CISPR 32
FCC part 15, Subpart B	
Safety Compliance:	IEC 62368-1: 2018