ADA
Converters

Introducing ADA Converters™... high-end, multi-channel A/D & D/A converters that bring the rich purity of analogue recording to the world of workstations. Featuring pristine iZ audio conversion, an innovative modular I/O structure, intuitive touchscreen controls, and direct interfacing to native DAWs and ProTools, ADA is a powerful tool designed to meet the creative and technical needs of true audio professionals.

Pristine Sound
Professional-quality sound is a choice. Choose to boost audio fidelity with the most transparent, true-to-source conversion available on the market. ADA uses the acclaimed converter technology found in the iZ RADAR® recorder to bring you pristine iZ sound in a dedicated, standalone system.

Connect Directly to Native DAWs & ProTools® HD
Workstation audio comes to life through ADA converters. ADA connects to Logic®, Nuendo®, REAPER®, and other native DAWs via low-latency, low-jitter MADI digital I/O. For ProTools HD users, add an iZ Dual ProTools HD Option Card to ADA and plug directly into the ProTools Core Card.

Fully Modular I/O
Each ADA is made-to-order in 8, 16, or 24 channel configurations with customizable I/O ratios. With its ground-breaking modular design, ADA evolves over time as your studio needs change – re-configure I/O ratios and add channel-count to the original ADA unit whenever needed. And with three classes of converter cards to choose from – Classic, Nyquist, and S-Nyquist – you decide what level of nuance and texture best suits your recording needs.

Simple Touchscreen Front-panel Controls
With a single touch, ADA's Graphic User Interface controls all settings and preferences – including the comprehensive A/D & D/A routing options.

Features

- 8, 16, or 24 channels of pristine A/D & D/A conversion
- 24 bit , 48-192 kHz sample rate
- iZ Technology's Classic, Nyquist or S-Nyquist analogue I/O
- MADI digital I/O (standard)
- ADAT Lightpipe digital I/O (optional)
- iZ Dual ProTools HD Interface Card (optional)

- Interface with Logic®, Nuendo®, REAPER®, and all native DAWs via MADI digital I/O
- Word Clock, Video, and 2-channel AES/SPDIF Sync I/O
- Easy-to-use routing via graphic user interface
- Touchscreen front-panel controls
- Legendary no-cost iZ Support

www.izcorp.com

1.800.776.1356

ADA Technical Specifications

Analogue I/O Specs

Number of Channels	8, 16, or 24
Level	+ 4 dBu with selectable headroom
Input & Output Level Select	+18, +20 +22, +24 dBu (maximum level)
Input Impedance	16 k Ω
Output Impedance	47 Ω
Load Impedance	600 Ω minimum
# Quantization bits	24
Input Connectors	3 x DB-25, 25-pin connectors (balanced)
Output Connectors	3 x DB-25, 25-pin connectors (balanced)

Classic Analogue I/O Option Card

Dynamic Range	101 dB A-weighted
Frequency Response	10-22 kHz +/-0.5 dB @ 48kHz
Crosstalk	-88 dB at 1kHz
THD+N	less than 0.006% A-weighted
Sample Rates	44.1 / 44.056 / 47.952 / 48 kHz

Nyquist Analogue I/O Option Card

Dynamic Range	108 dB A-weighted
Frequency Response	10-22 kHz +/-0.5 dB @ 48 kHz
	10-45 kHz +/-3 dB @ 96 kHz
Crosstalk	-88 dB at 1kHz
THD+N	less than 0.006% A-weighted
Sample Rates	44.1 / 44.056 / 47.952 / 48 kHz
	88.112 / 88.2 / 95.904 / 96 kHz

S-Nyquist Analogue I/O Option Card

Dynamic Range	108 dB A-weighted
Frequency Response	10-22 kHz +/-0.5 dB at 48kHz
	10-45 kHz +/-3 dB at 96kHz
	10-80 kHz +/-3 dB at 192kHz
Crosstalk	-88 dB at 1kHz
THD+N	0.5 dB below full scale, less than 0.006% A-weighted
Sample Rates	44.1 / 44.056 / 47.952 / 48 kHz
	88.112 / 88.2 / 95.904 / 96 kHz
	176.224 / 176.4 / 191.808 / 192 kHz

Digital I/O Specs

Type	MADI
Number of Channels	24 in/out @ 48 - 96 kHz
	16 in/out @ 192 kHz
Sample Rates	All standard rates up to 192 kHz
Input Connectors	1 x optical SC connector
	1 x coaxial BNC connector
Output Connectors	1 x optical SC connector
	1 x coaxial BNC connector

ADAT Lightpipe Digital I/O Card - optional

Type	ADAT Lightpipe
Number of Channels	24 in/out @ 48 kHz
Sample Rates	All standard rates up to 48 kHz
Input Connectors	1 x Toslink connector
Output Connectors	1 x Toslink connector

iZ Dual ProTools® HD Interface Card - optional

Type	ProTools HD
Number of Channels	24 in/out @ 48 - 96 kHz
	16 in/out @ 192 kHz
Sample Rates	All standard rates up to 192 kHz
Input Connectors	2 x HD and 2 x MADI optical SC connectors
Output Connectors	2 x HD and 2 x MADI optical SC connectors

Sync I/O

Word Clock	1 x BNC in and 1 x BNC out
Video Sync	1 x BNC in and 1 x BNC out
AES/EBU Sync	1 x XLR in and 1 x XLR out
SPDIF Sync	1 x RCA in and 1 x RCA in/out

General Specs

AC Power	160 W (typical), 200 W (max)
Dimensions	19" width x 7" height x 13" depth
Weight	12.7 kg / 28 lbs
Rack Measurement	4 U
Touchscreen Control Panel	7" diagonal (800 x 480 pixels)
	24 bit colour depth