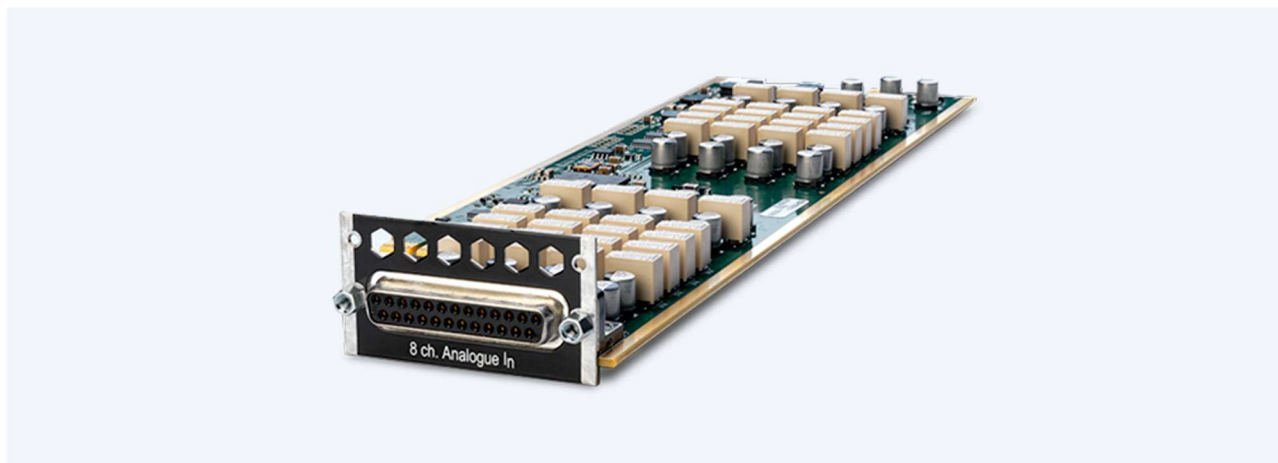




8 channel Pristine AD Line Card



Introduction.

The CARD-L8 is a Pristine Line input and AD converter Card that provides analogue line level input for the DAD modular audio interfaces. All inputs are balanced and have pristine audio performance with transparent and non-colouring AD conversion.

The AD conversion is based on a dual 5-bit delta sigma modulator converter chip with filtering done in a dedicated FPGA with 32bit processing for the PCM formats and supports all sample rates from 44.1 to 384kHz, including DXD and one-bit DSD 64 and DSD 128. The gain staging for the gain is done via relays with no electronic gain components, providing ultimate noise and linearity performance.

Features

- 8 input channel pristine AD converter
- Dynamic Range (A): >123dB
- THD+N (A): < -117 dB @ -3 dB FS / 0.00014%
- 32bit processing
- Sample rates: 44.1 to DXD and 384kHz
- DSD formats: 64FS, 128FS
- Sample Resolution: 5-bit sigma/delta @ 5.645 or 6.144MHz, 24-bit PCM
- Compatible with, Penta 720, Penta 721s, AX32, AX64, AX Center
- SKU: CARD-L8

Specifications

General:

Interface:	DB25 female (Tascam pinout)
Sample Rate (PCM):	44.1, 48, 88.2, 96, 176.4, 192, 352.8, 384kHz
Sample Rate (DSD):	2.8224 & 5.6448MHz (64 & 128 fs)
Frequency response:	10 Hz – 20 kHz +/-0.1dB at all gain settings
Gain accuracy:	+/-0.1dB all gain settings
Power Consumption:	9 Watt max

Line input:

Max input level:	From -9dBu to 30dBu in steps of 0,1dB
Gain setting for 0dBFS:	Relay based 3dB gain steps: 9dBu, 12dBu, 15dBu, 18dBu, 21dBu, 24dBu, 27dBu, 30dBu w. digital inter-step adjustment
Input Impedance:	> 10k Ohms
CMRR:	> 120dB@1kHz