Option Board 4 Ch Microphone Inputs

Option Board 4 Ch Microphone Inputs (O_AIX_4MIC_a)

Analog Inputs

- 4 channels
- Connector type = D-Sub25 female connector
- Microphone or line input operation
- Microphone mode @ 150 Ohm load:
  - input-impedance mic: 9 kOhm, electronically balanced
  - gain range: -10 dB (Pad), 0 dB, 10 dB ... 65 dB
  - phantom power: +48 V DC, individually switchable per channel
  - frequency response @ 48 kHz sampling rate: +/- 0.1 dB, 11 Hz to 22 kHz
  - dynamic range @ 10 dB gain: 115.3 dB RMS unweighted, 118.0 dB A-weighted
  - equivalent input noise: -128 dB
- Line mode @ 40 Ohm load:
  - input-impedance line: 20 kOhm, electronically balanced
- Common data:
  - analog line channel to channel isolation, 20Hz to 20kHz @ 10 dB gain: min. 118 dB
  - THD+N @ -3 dBFS, 1 kHz, 10 dB gain: 0,00075 %
  - THD+N @ -3 dBFS, 1 kHz, 40 dB gain: 0,0075 %
  - THD+N @ -3 dBFS, 1 kHz, max gain: 0,020 %

Connector DB-25 Pin Assignment

Pin (Female Connector)	Function
1	Not Used
2	Ground
3	Not Used
4	Not Used
5	Ground
6	Not Used
7	Input 4 +
8	Ground

9	Input 3 -
10	Input 2 +
11	Ground
12	Input 1 -
13	Not Used
14	Not Used
15	Not Used
16	Ground
17	Not Used
18	Not Used
19	Ground
20	Input 4 -
21	Input 3 +
22	Ground
23	Input 2 -
24	Input 1 +
25	Ground

Revision #1
Created 2026-09-04 10:59:04 UTC by FK
Updated 2026-09-04 10:59:04 UTC by FK