

Option Board AES/EBU I/O

Option Board AES/EBU I/O (O_DAP_AES_a)

Standards

- Relevant specifications comply with AES3-X-2009, IEC 60985, and AES11-2009

Audio

- 24-bit, transparent forwarding of PCM and compressed audio (without SRC)
- 24 bit PCM with sample rate converter activated
- Sample rate = 44.1, 48, 88.2, 96kHz (32 ... 196kHz @ inputs with SRC)

Important - Not all sample rates are supported by the host system, please refer to the respective information.

Inputs

- 8 channels (4 two-channel inputs)
- Connector type = D-Sub25 female connector
- Impedance = 110Ohm or 75Ohm, jumper selectable (110Ohm default)
- Input level = 0.3 ... 5Vpp @ 110Ohm differential
- Sample Rate Converter (SRC) THD+N -120dB @ 0dBFS, 1kHz; Latency <0.3ms

Outputs

- 8 channels (4 two-channel outputs)
- Input sample rate converters (SRCs)
- Electrical isolation between inputs, outputs, and device (if configured for differential mode, 110Ohm)
- AES3 channel status management, non-audio detection
- Master-sync capable

Connector DB-25 Pin Assignment

Please note: AES3 is running digital audio in channel pairs (stereo) on one physical pin.

Pin (Female Connector)	Function
1	Output Pair 4 +
2	Ground
3	Output Pair 3 -
4	Output Pair 2 +
5	Ground
6	Output Pair 1 +
7	Input Pair 4 +
8	Ground
9	Input Pair 3 -
10	Input Pair 2 +
11	Ground
12	Input Pair 1 -
13	Not Used
14	Output Pair 4 -
15	Output Pair 3 +
16	Ground
17	Output Pair 2 -
18	Output Pair 1 +
19	Ground
20	Input Pair 4 -
21	Input Pair 3 +
22	Ground
23	Input Pair 2 -
24	Input Pair 1 +
25	Ground