



Features

- high performance 24-bit Analogue to Digital converters
- Audio sampling relative to AES input or internal 48KHz
- 8 output AES DA (AUEN-3000 & AUEN-3100)
- Supports incoming AES sampling rates (8 to 96KHz)
- Channel swapping, phase inversion, muting & amplitude control
- 4 channel (two stereo pair) analogue input
- Internal test tone generator
- Front panel stereo headphone monitoring (3.5mm stereo socket)
- Graphical Front Panel (AADC-3100 & AADC-3110)
- Web based monitoring & control

Description

The Digital Audio DA + ADC combines an AES distribution amplifier with a high quality 4 channel (2 stereo pair) analogue to digital converter. The AES input can be routed to the AES outputs or used as a sampling reference for the high quality analogue audio to digital converter. The DA is also capable of performing audio processing, including pair swapping, channel attenuation, phase shifting, muting, test tone insertion etc. Detection and alarm routines such as silence & audio level are also possible. The optional front panel or web control allows control over audio processing functions.

Specifications

Electrical Inputs

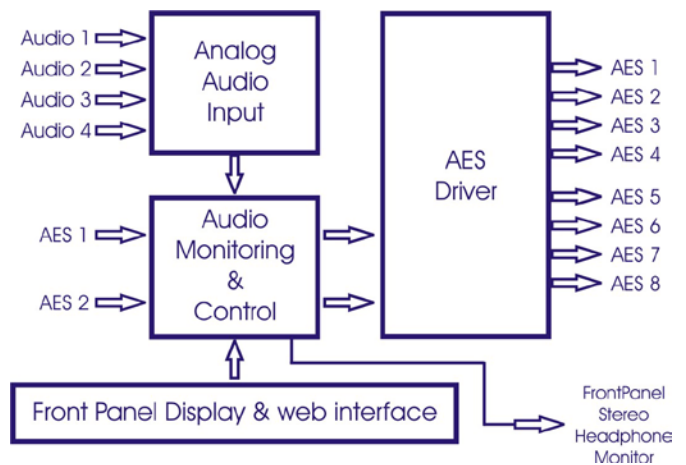
Number of Inputs	2
Data Rate	8-96Kbps
Standard	AES3
Signal Amplitude	0.2 to 7 Vp-p
Re-sampling	optional 48KHz (free running or locked to input 2)
Equalization	>200m high quality 110 ohm balanced shielded cable
Impedance	Balance 110 ohm
Connectors	Three pin Phoenix

AES Electrical Outputs

Number of Outputs	up to 8
Signal level	4 Vp-p +/- 1 Vp-p
Impedance	110 ohm balanced
Connectors	Three pin Phoenix

Analogue Audio Inputs

Number of Inputs	4 (two stereo pairs)
Resolution	24-bit @ 48KHz
Frequency Response	20Hz- 20KHz +/- 0.1dB
THD+D	> -100dB
Dynamic range	>110dB
Impedance	Hi-Z
Connectors	Three pin Phoenix



Headphone Monitor Output

Number of Outputs	1 front panel monitor
THD+N	Typically 0.1% @ 1KHz
Signal level	120mW maximum into 32ohms
Impedance	low
Connectors	3.5mm stereo socket

Alarm & Control Interface

Graphical front panel display
Embedded Web server with 10/100 UTP Ethernet
RJ45 UTP on rear assembly
Major & minor alarm relay contacts (rear assembly)

Compatibility

Compatible with all SBC modules supporting digital video interfaces
Compatible with SBC 3RU, 84HP Eurocard frame
Compatibility with third party frames upon request.

Compliances

CE; UL; C-Tick
RoHS Compliant Directive 2002/95/EC

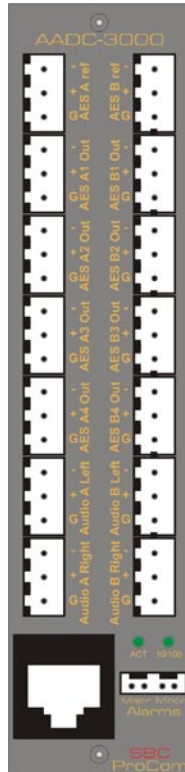
Ordering Information

- AADC 3000 (balanced inputs)
- AADC 3110 (unbalanced inputs)
- LCD front panel & web server
 - o AADC-3100 (balanced inputs)
 - o AADC-3110 (unbalanced inputs)

Standard Front Control Panel



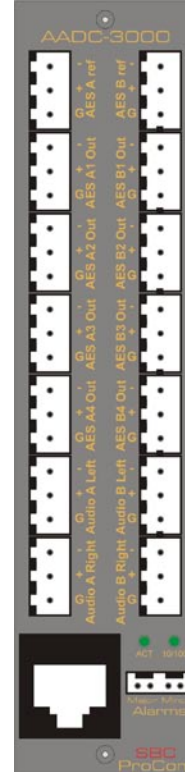
Front



Rear



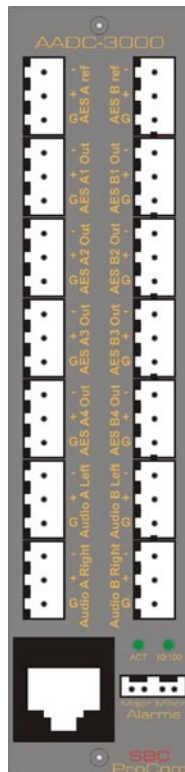
Front



Rear



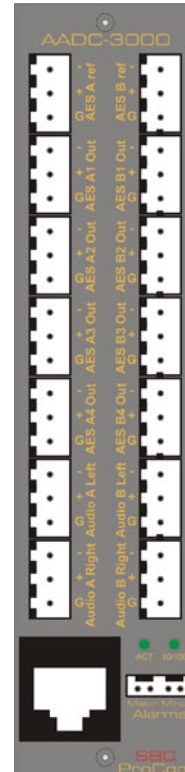
Front



Common Rear



Front



Common Rear

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