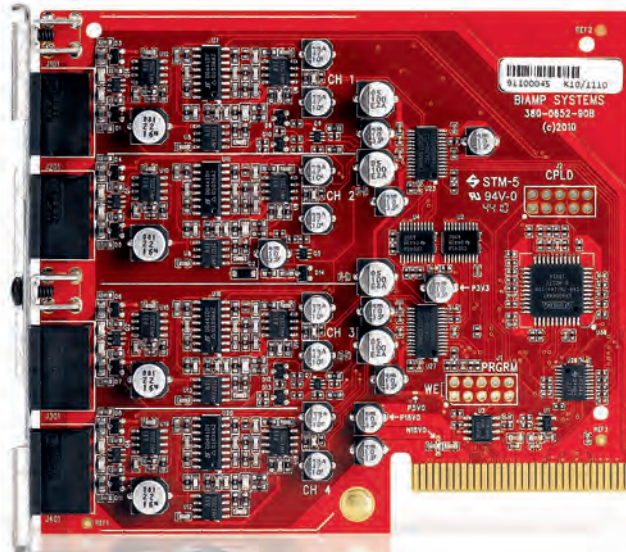


# DATA SHEET

## TESIRA® SOC-4

### 4-CHANNEL LINE LEVEL MODULAR OUTPUT CARD



The Tesira® SOC-4 is a modular analog output card for use with Tesira SERVER or SERVER-IO devices. Each SOC-4 provides 4 channels of mic or line level audio output. The outputs are electrically balanced and provided on plug-in barrier strip connectors. Software control of each output includes mute, level, signal invert and full-scale output reference.

#### BENEFITS

- Modular I/O cards can be mixed-and-matched both in Tesira SERVER and Tesira SERVER-IO
- Selectable output levels allow for ideal gain staging. Fully configurable and controllable in software

#### FEATURES

- 4 channels of balanced mic or line level output
- Plug-in barrier strip connectors
- -100 to +12dB fader range for level
- Signal invert for reverse polarity
- Selectable full-scale output reference level (24dBu, 18dBu, 12dBu, 6dBu, 0dBu, -31dBu) for best interface/performance
- RoHS compliant and AES grounded
- Covered by Biamp Systems' 5-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The line level output shall be a 4-channel card designed exclusively for use with Tesira Server devices. The modular card shall provide 4 balanced outputs on plug-in barrier strip connections. Software configuration and control for each output shall include: mute, level, signal invert and selectable output reference level (24dBu, 18dBu, 12dBu, 6dBu, 0dBu, -31dBu). Digital-to-Analog conversion shall be 24-bit with a sampling rate of 48kHz. Performance specifications (20Hz-20kHz) shall be: Frequency Response +0/-0.25dB; THD+N < 0.0035%; and Dynamic Range > 110dB. The modular output card shall incorporate AES48-2005 Grounding and EMC practices and shall be compliant with the RoHS Directive. Warranty shall be 5 years. The output card shall be Tesira SOC-4.

TESIRA SOC-4 SPECIFICATIONS

|                                                 |            |                                             |                                             |
|-------------------------------------------------|------------|---------------------------------------------|---------------------------------------------|
| <b>Frequency Response (20Hz-20kHz @ +4dBu):</b> | +0/-0.25dB | <b>Selectable Full Scale Output Levels:</b> | +24dBu, +18dBu, +12dBu, +6dBu, 0dBu, -31dBu |
| <b>THD+N (20Hz-20kHz):</b>                      | < 0.0035%  | <b>Sampling Rate:</b>                       | 48kHz                                       |
| <b>Dynamic Range (20Hz-20kHz, 0dB):</b>         | > 110dB    | <b>D/A Converters:</b>                      | 24-bit                                      |
| <b>Output Impedance (balanced):</b>             | 200Ω       | <b>Compliance:</b>                          | AES48-2005 Grounding and EMI practices      |
| <b>Maximum Output:</b>                          | +24dBu     |                                             | RoHS Directive (Europe)                     |
| <b>Cross Talk (channel to channel @ 1kHz):</b>  | < -95dB    |                                             |                                             |