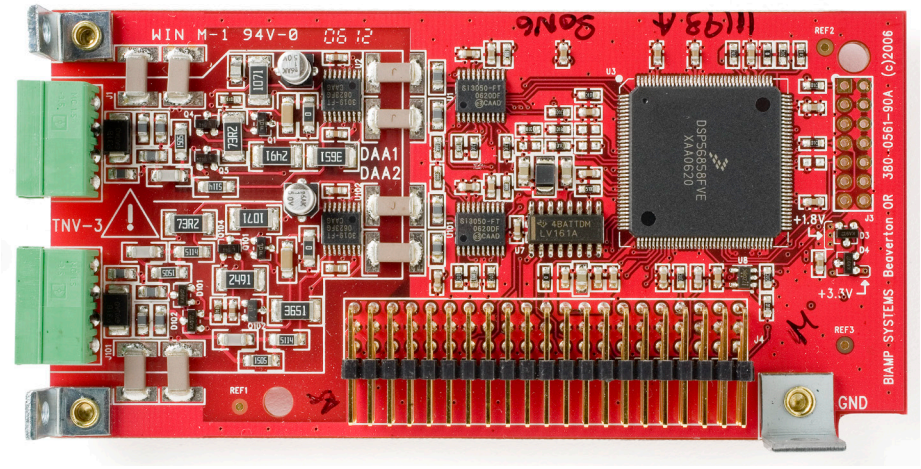
BIAMP

RoHS Compliant EU 2002/95/EC

Audia® TI-2 Card
Dual-Channel Telephone Interface



TI-2 dual-channel Telephone Interface Cards allow AudiaFLEX to connect directly to standard analog lines. Being more than just a normal 'hybrid', each channel of the TI-2 includes line-echo cancellation, noise suppression, caller ID decoding, ring detection/validation, DTMF tone dialing, DTMF decoding, and call progress tone decoding. Used in conjunction with AEC2 Acoustic Echo Cancellation Cards, the TI-2 makes AudiaFLEX the most powerful, flexible, and affordable telephone conferencing product available. The TI-2 also allows AudiaFLEX to respond to DTMF control commands such as preset recalls from any telephone system. The TI-2 can be used for audio input-only applications such as paging access; or for audio output-only applications such as broadcast feeds and remote system monitoring. Up to twelve TI-2 Telephone Interface Cards can be installed into a single AudiaFLEX unit.

FEATURES

- Initiate outgoing calls including:
  - DTMF tone dialing
  - Speed-dialing
  - Redial
  - Flash
- Detect and answer incoming calls
- Line echo cancellation
- TouchTone decoding
- Caller ID reception
- Call progress detection
- Line intrusion detection
- Noise suppression filter
- Continuous Line Status and Fault Monitoring
- Can be controlled by:
  - Commands from external control systems
  - Control dialog boxes within Audia software
  - Logic control from within Audia or RCB devices
- Extensive customization options and parameters
- **RoHS** compliance and **AES** grounding practices
- Covered by Biamp Systems' five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The telephone interface shall be a two-channel card for AudiaFLEX hardware, and shall allow direct connection to standard analog telephone lines. Each channel shall provide normal 2-wire to 4-wire 'hybrid' functions, as well as line-echo cancellation, noise suppression, caller ID decoding, ring detection/validation, DTMF tone dialing, DTMF decoding, and call progress tone decoding.

The telephone interface shall allow AudiaFLEX to respond to DTMF control commands such as preset recalls from any telephone system. The telephone interface may be used for audio input-only applications such as paging access; or for audio output-only applications such as broadcast feeds and remote system monitoring. Up to twelve telephone interface cards may be installed into a single AudiaFLEX unit. The telephone interface card shall incorporate AES48-2005 Grounding & EMC practices, and shall be compliant with EU Directive 2002/95/EC, the RoHS directive. Warranty shall be 5 years.

The telephone interface shall be a TI-2 Card for AudiaFLEX.

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Audia® TI-2 Card SPECIFICATIONS

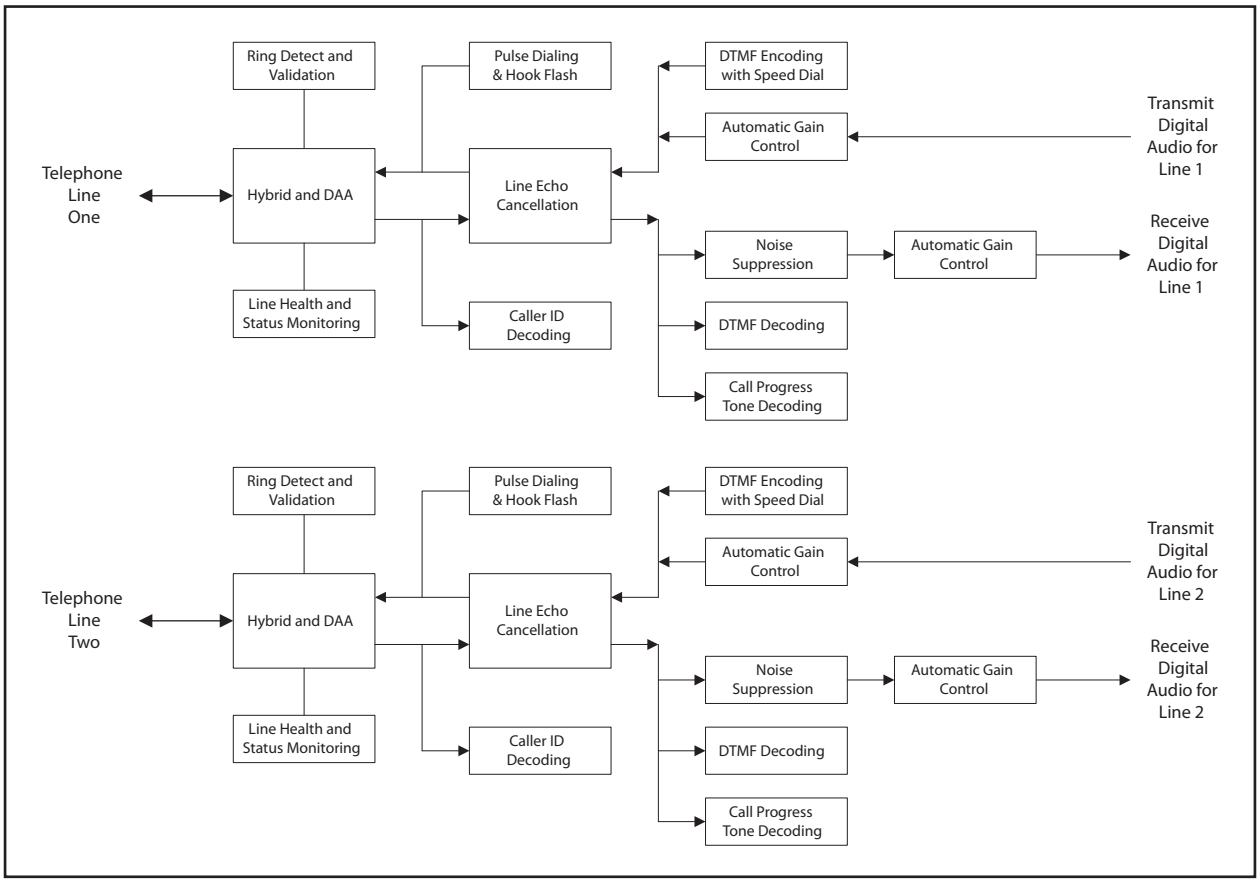
Ringer Equivalency Number:	0.0B	**THD:**	< 0.3%
Dynamic Range:	67dB	**Transhybrid Balance:**	30dB
Frequency Range:	250Hz~3.4kHz	**Compliance:**	AES48-2005 Grounding & EMC practices EU Directive 2002/95/EC, RoHS directive

Control Inputs: On/Off Hook, Dial 0~9, Dial *, Dial #, Dial A~D, Redial, Hook Switch Flash

Control Outputs: Off Hook, Ring Indication, DTMF Decode, Dialing, Dial Tone Detect, Busy Tone Detect, Ring Tone Detect, Line Ready, Line In Use, Line Instrusion, Line Fault

Parameters: Country Selection, Receive/Transmit Levels, DTMF Transmit Level, Hook Flash Duration, DTMF Side Tone Level, Caller ID Enable, Redial Enable, Caller ID Type, DTMF Decode Enable, Hybrid Balance, LEC Enable, LEC Adaptive/Static, Echo Span, Noise Suppression Enable, Noise Suppression Depth, Loopback Mode, Last Number Data, Caller ID Data, DTMF Decode Data, Line Voltage/Current/Fault Data

Commands: On/Off Hook, Dial, Redial, Recall Last Number Data, Hook Flash, Noise Suppression Enable, Noise Suppression Depth, Recall Caller ID Data, Clear Caller ID Data, Recall DTMF Data, Clear DTMF Data, Recall Line Voltage/Current/Fault Data, Recall Line Status, Mute Receive Audio, Mute Transmit Audio

Messages: Incoming Call, Off Hook, On Hook, DTMF Decode, Dial Tone Detected/Removed, Busy Tone Detected/Removed, Ring Tone Detected, Line Fault Detected/Removed, Line Intrusion Detected/Removed, Line In Use, Line Available, Call Waiting ID Received

Audia® TI-2 Card BLOCK DIAGRAM