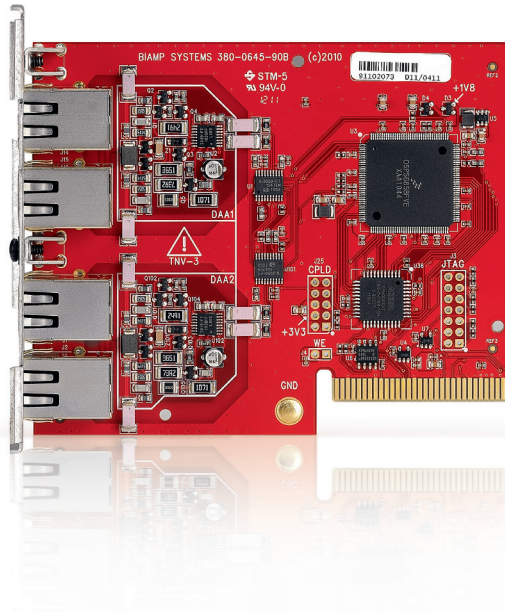


Tesira® STC-2 2-Line Telephone Interface Card DATA SHEET



The Tesira® STC-2 is a modular telephone interface card for use with Tesira SERVER and SERVER-IO devices. The STC-2 allows a Tesira system to connect directly to standard analog telephone lines. Being more than just a normal “hybrid,” each channel includes line-echo cancellation, noise suppression, caller-ID decoding, ring detection/validation, DTMF decoding, and call progress tone decoding. When used in conjunction with Automatic Echo Cancellation processing, Tesira becomes an extraordinarily powerful, flexible and affordable conferencing platform.

BENEFITS

- Modular I/O cards can be mixed-and-matched both in Tesira SERVER and Tesira SERVER-IO
- Interface capability with standard phone signals allows Tesira to manage entire teleconferencing system
- Fully configurable and controllable in software

FEATURES

- Initiate outgoing calls:
 - 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 Tesira Software
 - Logic control from within Tesira or RCB devices
- Extensive customization options and parameters
- RoHS compliance and AES grounding practices
- Covered by Biamp Systems’ 5-year warranty

CONTROL INPUTS

On/Off hook, Dial 0-9, Dial *, Dial #, Redial, Hook switch flash

CONTROL OUTPUTS

Off hook, Ring indication, DTMF decode, Dialing, Dial tone detect, Busy tone detect, Ring tone detect, Line in use, Line ready, Line intrusion, 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 and 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 and 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

ARCHITECTS & ENGINEERS SPECIFICATION

The telephone interface shall be a two-line, modular card for use with Tesira server devices, 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 the Tesira system 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. 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 Tesira STC-2.

STC-2 SPECIFICATIONS

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