



CEN-TIA

Telephone Interface Module

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Product Description

The CEN-TIA provides a telephone audio and control interface with useful features for home automation, multiroom audio distribution, and other control system applications.

Speakerphone

The CEN-TIA connects directly to a standard phone line, or to your phone system's analog extension port to provide a single-line, half-duplex, push-to-talk speakerphone interface for any touchpanel with built-in microphone and speakers. Integrated with the [C2N-IADS30X24](#) Intercom Distribution Switcher, the CEN-TIA can enable speakerphone capabilities for multiple touchpanels throughout the house.

Caller ID

See who's calling before you answer by displaying Caller ID information on every touchpanel. Manage missed calls easily with complete caller information and management options displayed on the touchpanel screen.

Telephone Paging

The CEN-TIA adds telephone paging capability to any Crestron Home® audio distribution system, allowing sophisticated zone-paging from any telephone to room speakers throughout the house.

Audio Signal Generator

Loaded with your own custom MP3 audio files, the CEN-TIA can be used to generate high-quality door chimes and alarm sounds, and even create unique telephone ring tones to identify known callers based on Caller ID. With memory capacity expandable up to 1 GB, the CEN-TIA can easily support several hours of full-frequency stereo audio files.

DTMF Control Interface

Use your mobile phone to remotely turn on lights, adjust air conditioning, and arm/disarm security. Using standard DTMF touch tones, the CEN-TIA affords telephone keypad control of any automation system function, providing a prompt-driven user-interface that's simple to use. The Menu Builder software tool makes it easy to set up a menu of friendly voice commands using the preloaded voice prompts, or your own custom audio files, for personalized remote control of your home or office. The CEN-TIA can also dial out to your mobile phone to alert you to an alarm condition or other system event.

Key Features

- Half-duplex speakerphone with Caller ID
- Telephone paging for multiroom audio systems
- Custom door chime, ringer and alarm sounds

- Remote control access from any phone
- Personalized voice prompts
- Easy setup via phone or Menu Builder software

Product Resources



[Zoomable Drawing \(Large\)](#) | [Zoomable Drawing \(Small\)](#)



[Cad Files \(ZIP - 344 K\)](#)
Rev. Date: 9/19/2006

Technical Specifications

Audio

Frequency Response (@ AUDIO OUT)	20Hz to 20kHz \pm 0.5dB from MP3 file or AUDIO IN sources; 300Hz to 3KHz -3dB from PHONE LINE source; 300Hz to 3KHz -3dB from WAV file messages
Frequency Response (PHONE LINE)	300Hz to 3KHz -3dB
Signal/Noise Ratio	94 dB A-weighted at AUDIO OUT
THD + N	0.05% A-weighted at AUDIO OUT
MP3 File Support	44.1 kHz sampling rate, up to 128 Kb/s bit rate
WAV File Support	16-bit PCM, mono, 8 kHz sampling rate

Memory

Multimedia Memory Card	32 MB included, 1 GB maximum; stores audio files
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Connectors

PHONE LINE	6-pin RJ11 female; Connects to single-line POTS telephone line or analog extension port
LAN	(1) 8-wire RJ45 with 2 LED indicators; 10/100BaseT Ethernet port, auto-negotiating; Green LED indicates link status; Yellow LED indicates Ethernet activity
G	(1) 6-32 screw, chassis ground lug
MEMORY	(1) MMC compatible card slot; Accepts Multimedia memory card up to 1 GB (32 MB included)
NET	(1) 4-pin 3.5mm detachable terminal block; Cresnet slave port, connects to Cresnet control network
AUDIO IN	(1) 5-pin 3.5mm detachable terminal block; Balanced/unbalanced stereo line-level audio input; Input Impedance: 20k ohms balanced, 10k ohms unbalanced; Maximum Input Level: 4 Vrms balanced, 2 Vrms unbalanced
AUDIO OUT	(1) 3-pin 3.5mm detachable terminal block; Balanced/unbalanced stereo line-level audio output; Output Impedance: 200 ohms balanced; 100 ohms unbalanced; Maximum Output Level: 4 Vrms balanced, 2 Vrms unbalanced
USB (front)	(1) Type 'B' female, USB 1.1 port

Controls & LED Indicators

PWR	(1) green LED, indicates 24 Volts DC power supplied from Cresnet control network
NET	(1) yellow LED indicates communication with Cresnet system
ACT	(1) red LED, indicates internal processor activity
OFF HOOK	(1) miniature pushbutton and (1) green LED, initiates and indicates "off-hook" connection to phone line
LAN LINK	(1) green LED, indicates Ethernet link status
LAN ACT	(1) yellow LED, indicates Ethernet activity
SETUP (rear)	(1) miniature pushbutton and (1) red LED, used for touch-settable ID (TSID)

Power Requirements**Cresnet Power Usage** 7 Watts (0.3 Amp @ 24 Volts DC)**Environmental****Temperature** 32° to 122°F (0° to 50°C)**Humidity** 10% to 90% RH (non-condensing)**Enclosure**Black metal, 0.5U 19-inch rack-mountable using optional **ST-RMK** (sold separately)**Dimensions****Height** 1.80 in (4.57 cm), 1.70 in (4.32 cm) without feet**Width** 7.07 in (17.95 cm)**Depth** 6.37 in (16.16 cm)**Weight**

1.8 lbs (0.9 kg)

High-Res Photos

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