

TI7200

TELECONFERENCING INTERFACE



PRODUCT OVERVIEW

The TI7200 Teleconferencing Interface is the key component in any teleconferencing application that requires the highest level of sound quality. It is ideally suited for conducting audio teleconferencing calls over the telephone network or providing the audio interface for video teleconferencing installations.

As the center of the teleconferencing installation, microphone mixers, power amplifiers, telephone lines, and video CODECs all directly connect to the TI7200. Its versatility lets you define the components you need for your application.

One TI7200 is all that is required when the distant location is using a handset or speakerphone. When open microphones and speakers are used at each location, it is best to use one TI7200 at each location. This maximizes the audio quality of the teleconference and maintains full duplex operation. When used in video teleconferencing applications, one TI7200 is required to interface to the video CODEC or transceiver system at each location.

The TI7200 is equipped with a wealth of extras. An RS-232 connection provides system wide control for most popular remote control systems. A remote port provides system access from Gentner's optional hand held remote control device. And, if you want to conference with multiple locations, the bridge port allows you to connect an additional teleconferencer to link your site to two distant locations simultaneously.

As with all Gentner teleconferencing systems, the TI7200 is completely Videoconferencing Ready, which means it can be easily connected to a video CODEC or four wire system regardless of network delays. The TI7200 utilizes a 7kHz frequency response to bring outstanding sound quality to video teleconferencing applications.

Although many acoustic factors come into the design and layout of your conference room, superior echo cancellation features have been built into the TI7200 to help reduce the amount of acoustic treatment needed. A 192 millisecond echo cancellation span will reduce acoustic echo in the largest rooms. This combined with 100% full duplex operation will provide you with the most trouble free and best sounding teleconferences available.

FEATURES/BENEFITS

- Two wire/telephone or four wire/Video operation
- 192 millisecond echo cancellation span
- 7 kHz frequency response
- Bridge connection for multiple location conferencing
- RS232 port for custom remote control systems
- 100% digital audio processing
- Completely full duplex operation
- Digital gain processing
- Auto answer/auto disconnect
- Privacy button for private conversation
- Sleek design for "in-the-room" or "rack" installation
- Integrates with most video teleconferencing systems for superior audio quality
- Optimum sound quality for audio teleconferencing
- Digitally eliminates acoustic echo for increased intelligibility
- Multiple location conference calling
- People at all locations can speak simultaneously without interruption
- Maintains consistent audio levels within the room, even with changing telephone line conditions
- Highly reliable operation and setup



8 0 0 . 9 4 5 . 7 7 3 0
8 0 1 . 9 7 5 . 7 2 0 0

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SPECIFICATIONS

Physical Dimensions:

19"W x 1.75"H x 10"D
48.3W x 4.45H x 25.4D cm

Weight:

10 lbs./4.5 kg dry
13 lbs./5.9 kg shipping

Connectors:

Remote: DB-15 female
RS232: DB-9 female (provides control of front panel functions and simple diagnostics)

Inputs: 3-pin female XLR (4 wire/video receive and room transmit)

Outputs: 3-pin male XLR (4 wire/video transmit and room receive)

Bridge:

DB-9 male

Telco Line/Set:
RJ-11C

Tape Record/Tape Play:
Phono (RCA)

Power Requirements:
85-240 VAC; 50/60Hz

Fuse:
2 amp, 250 VAC

Frequency Response:
50Hz to 7kHz; +/-1dB (4 wire/video)
300Hz to 3.4kHz; +/- 1dB with 6dB transmit pre-emphasis (telephone)

Echo Cancellation Span:
192 milliseconds

Operating Temperature:
32° to 100° F

ARCHITECTURAL SPECIFICATIONS

The audio teleconferencing interface shall provide connections to a standard telephone line or a four wire circuit. It shall provide balanced line level connections and shall be capable of operation with either gating or non-gating microphone mixers. The system shall be capable of being remotely controlled by both parallel and serial (RS232) devices.

The interface shall employ Digital Signal Processing (DSP) to remove acoustic echoes. It shall supply at least 30dB of cancellation and/or 18dB of suppression of acoustic echo. The acoustic echo cancellation span shall be at least 192 milliseconds. Telephone sidetone cancellation shall be 40dB with a cancellation span of 16 milliseconds. The audio frequency response shall be from 50Hz to kHz, +/-1dB in 4 wire/video operation, and from 300Hz to 3.4kHz, +/- 1dB in telephone operation.

The Gentner TI7200 is specified.

APPLICATIONS

- Audio teleconferencing in large size rooms
- Audio for video teleconferencing
- Rooms using custom remote control systems
- Distance learning
- Courtroom teleconferencing



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