



## XAP™ TH1 Telephone Interface

Enable remote participants to access your meeting with the XAP™ TH1 digital telephone hybrid – the telephone interface component for the XAP 800 system.

The XAP TH1 provides the highest possible audio quality for single telephone line conferencing. The XAP TH1's modular design allows up to 16 callers (16 XAP TH1s) to be conferenced into a XAP 800 system.

In addition, the XAP TH1, with the XAP 800, provides "phone-add" capability for video conferencing, otherwise known as simultaneous two-wire/four-wire operation. This means anyone with a telephone can be mixed into a video conference. Among the possible participants for phone-add to a video conference are traveling board members, executives, and salespeople.

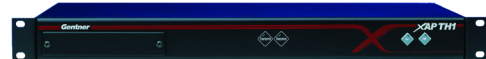
The XAP TH1 is fully remote controllable. A rear panel RS-232 port provides individual unit control by popular remote control systems such as AMX and Crestron.

The RS-232 also provides access to DTMF (touch-tone) dialing. This enables the user to dial telephone numbers or issue tones to access voice mail systems without the use of a separate telephone set.

The XAP TH1 has several operational options that are selected via the DIP switches behind the front panel

- Conference Rooms
- Boardrooms
- Distance Learning
- Hotels
- Courtrooms
- Houses of Worship
- Teletraining
- Telemedicine

access door. These include noise burst/auto-adapt, receive AGC control, auto-answer, auto-disconnect, call progression/loop, and receive reduction. These options are configured at installation.

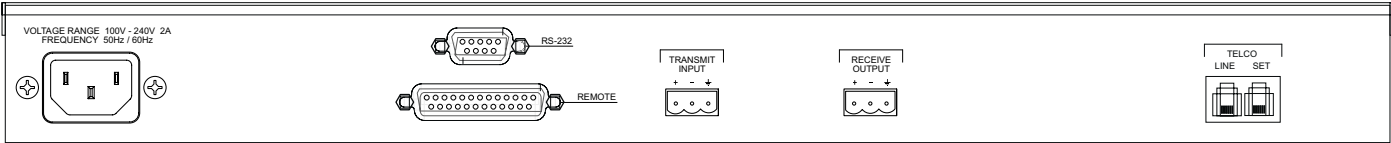


**The XAP TH1 provides the highest possible audio quality for telephone line conferencing.**

### Features and Benefits

- Gentner's digital signal processing (DSP) technology—ensures crystal-clear audio with the deepest, most reliable hybrid null
- Audible ring indicator—the ringing of incoming calls is heard through the loudspeaker
- Conference up to 16 callers (16 XAP TH1s) in a XAP 800 system—allows extreme flexibility in meeting customer requirements
- Receive automatic gain control—ensures consistent receive audio level in every call
- RS-232 control—allows seamless integration to an AMX, Crestron or other similar remote control device
- Selectable auto-answer and auto-disconnect—allows users the ability to select auto-disconnect without auto-answer and vice versa
- Integrated DTMF (touch-tone) dialing—allows users to dial telephone numbers, access voice mail, pagers, etc. without the use of a separate telephone set
- Occupies a single rack space

# audio conferencing



## Specifications

**Dimensions (LxDxH)**  
 17.25" x 10.25" x 1.75"  
 43.8 cm x 26 cm x 4.5 cm

**Weight**  
 7 lb/3.18 kg (dry)  
 12 lb/5.4 kg (shipping)

**Operating Temperature**  
 32–100° F/0–38° C

**Humidity**  
 0–80%

**Front Panel DIP Switches**  
 Noise Burst/Auto-Adapt, Receive Boost, Receive AGC Control, Auto-Answer, Auto-Disconnect, Call Progression/Loop, and Receive Reduction

**Power: IEC Type**  
 Auto-adjusting power module from 100–240VAC, 50/60Hz, 30W

**Remote: DB25 female connector**  
 Control Inputs: Remotely activate functions with a momentary switch closure to ground  
 Status Outputs: Remotely check the status outputs. Status outputs are open collector outputs rated at 40VDC and 40mA maximum

**RS-232: DB9 female**  
 9600 baud; 8 bits, 1 stop bit, no parity

**Transmit Inputs**  
 Push-on terminal block, 0dBu nominal level, balanced, bridging, >20kΩ impedance

**Receive Output**  
 Push-on terminal block, 0dBu nominal level, <50Ω impedance

**Telco Line/Set**  
 RJ-11 connector

**Telephone Line Requirements**  
 Operates on standard telephone lines and connects to the telephone system with a standard RJ-11C modular jack

**Telephone Transmit**  
 Nominal send input of 0dBu referenced to -15dBu onto the telephone line

**Telephone Receive**  
 Nominal phone line level of -15dBu referenced to caller output of 0dBu

**Telco Echo Cancellation**  
 Tail time: 31ms  
 Null: 55dB nominal

**Approvals**  
 FCC Part 68, FCC Part 15, CSA NTRL/C, CE

## Typical installation in XAP 800 system:

