

CONTEX[®]

60T

compunetix, inc.

Powerful Voice Communication Capabilities in a Small Package

INTENDED APPLICATIONS:

- Small Command and Control Centers
- Mobile/Theatre Deployable Operation
- Agency/Battlefield Communications Interoperability

CONTEX[®] 60T in the tower configuration



Designed to meet the needs of mission-critical, mobile and quick setup applications, the ConTEX[®] 60T digital intercom / conferencing system can support up to 60 different conferences and up to 12 Compunetix user instruments — all in a package the size of a mid-size “tower” PC or a 3U rack mount enclosure. Furthermore the ConTEX[®] 60T is built upon a platform of proven Compunetix off-the-shelf products that have made Compunetix the market leader in teleconferencing.

The ConTEX[®] 60T uses off-the-shelf Compunetix T1 Line Interface Modules and Four Channel Interface (FCI) Modules. This provides highly efficient manufacture of cost effective and reliable products. The ConTEX[®] 60T system has 5 card slots and can be configured in various ways to fit the needs of the customer application. With this flexible configuration the customer can also reconfigure or expand their Compunetix systems as needed and avoid complete system replacement.

PHYSICAL DIMENSIONS:

- 3 U Horizontal Rack Mount
- Mid Size Tower
 - 18 ⁵/₈” high
 - 6 ¹/₈” wide
 - 24 ⁵/₈” deep

EXCLUSIVE FEATURES:

- Individual port transmit and receive settings
- Adjustable conference parameters
- Automatic gain control (port enabled)
- Selectable conference modes
 - Meet me
 - Preset
 - Progressive
- Dial intercom capability
- Voice direct line capability
- Nonblocking architecture
- Supports secure (red) communications
- In a fully populated system, 60 port capacity; join all 60 ports in a single conference, 2 parties each in 30 conferences, or any combination thereof
- A T1/ISDN backplane that supports 5 9U cards which can be populated with the following:
 - Controller module
 - T1 Module(s) (24 DSO channels) or Dual T1 Module(s) (48 DSO channels)
 - FCI (ISDN) interface module(s) (4 user instruments per module)
- Channel Bank compatible
- Hot Card Swapping
- Administration Control via a Compunetix PC compatible Maintenance and Administration Terminal (MAT) using JAVA based software. The MAT furnishes both failure alarms and module identification for remedial action. The MAT can be installed at local or remote locations, depending on customer requirements.

- Interfaces to a range of instruments from a single analog based user end instrument to a 280 soft-key electro luminescent touch screen instrument
- FCI (ISDN) instrument interfaces are selectable as fiber optic or copper

OPERATIONAL FEATURES:

Size

- Up to 60 Ports

Line Interface

- Four Channel Digital Instrument Interface; T1; D3/D4 or ESF framing modes; master or slave clocking; remote clock input; fully compatible with ANSI and CCITT standards

Signaling Options

- Loop Start
- Ground Start
- E and M
- Wink Start
- FXS and FXO
- PLAR

DTMF Generation/Recognition

- Provided for each channel (Port) per Telcordia TR-TSY-0001 8

Conference Configuration

- Non-blocking Digital

Conference Formation

- Via the MAT and keyset instruments for preset and custom nets

Number of Conferences

- Unlimited up to N/2

Parties per Conference

- Unlimited up to N

Number of Talkers

- Full duplex and variable from all talkers to one talker

Noise Filtering

- Uses DSPs to eliminate line or background noise from the conference, 18 dBmCO or less. The noise floor is not affected by size of the conference.

Echo Suppression

- Standard

Echo Cancellation

- Optional

T1 Line Frequency

- 1.544 MHz +/- 200 Hz

Self Tests and Diagnostics

- Continuous at both the individual circuit module and full system levels. MAT alarms identify failed modules.

Maintenance Administration Terminal (MAT)

- Provides system configuration, monitoring and maintenance

System Reliability

- Built to Mil-Std-55110 8 and Mil-Std-454

OPERATIONAL CHARACTERISTICS:

DC Power

- Input V -48 VDC (-42 to -58 VDC)

AC Power (Optional)

- Input V 115 VAC +/- 12 VAC

OPERATING ENVIRONMENT:

Temperature

- -10 degrees C to 40 degrees C

Relative Humidity

- 5% to 90% (noncondensing)

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