

CKI-24 Computer Keypad Instrument

Optimizing the Command and Control Voice Console

INTENDED APPLICATIONS:

- Command and Control Centers
- Mobile / Theatre Deployed Mission Control Centers
- Air Traffic Control Centers

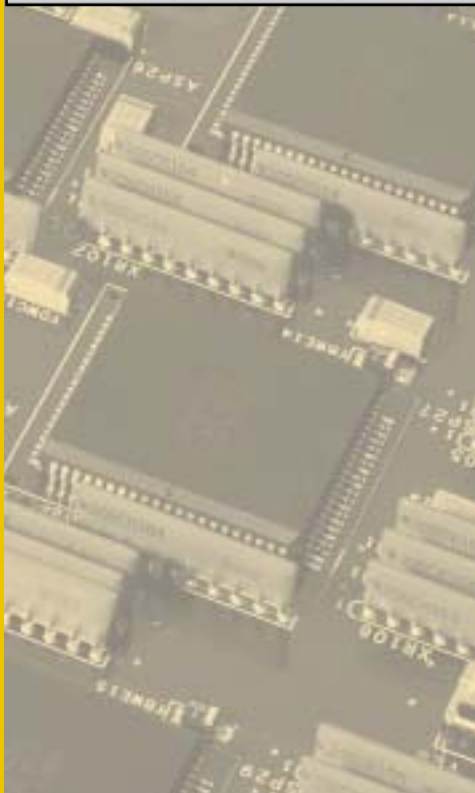


- The CKI enables users to control audio conferencing, telephony, and intercom functions from their desktop personal computer, workstation, or Touchscreen.
- The CKI Graphical User Interface (GUI) is a portable, JAVA based application which is easily customized to emulate existing user instruments – operator friendly.
- CKI eliminates multiple phones or communication devices in a cramped workspace
- Each key can be assigned a specific connection and communications mode (Talk/Listen or Monitor Only).

CKI USER INTERFACE

The CKI hardware consists of the customer's host computer, a Compunetix Digital Audio Processor (DAP) module housed in a 1U enclosure, and optional components such as a speaker or foot switch. Figure 1 shows the standard and optional components of the CKI.

Your Logo Here



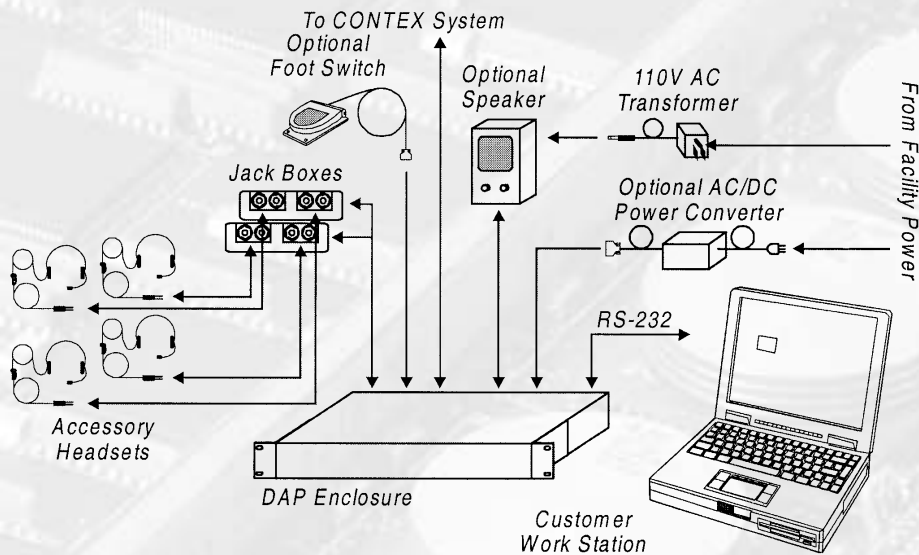


Figure 1. CKI Components

FEATURES:

- The Compunetix CKI controls up to 96 circuits for Conference Nets, Voice Direct Lines, Dial Lines, Public Address Circuits, and Range Radio for Ground-to-Air Communications.
- The front panel consists of 24 line keys that display the name of the conference assigned to each position. Four menus of 24 keys are available.
- The CKI can be installed on a resident PC or workstation.
- A separate touch screen display can be provided in either a rack mounted or swing-away-arm mounted configuration.
- The CKI Interface allows the operator to join any permitted conference and to switch between Monitor and Talk/Listen modes simply by pressing the line keys.
- While the CKI is considered an off-the-shelf virtual instrument, Compunetix maintains flexibility in its basic design to conform to individual mission applications.
- All operational software for the instrument is maintained and downloaded by the host Contex® T-Series system Maintenance and Administration Terminal (MAT). The

instrument key assignments, access levels, and instrument configuration changes are downloaded and updated in real time. All instrument functions are software controlled to provide versatility in configurations.

FRONT PANEL/SCREEN FEATURES:

Monitor / Listen Modes and Volume Control:

The CKI supports headset (stereophonic-binaural, monophonic binaural, and monophonic) and handset (monophonic) audio channels. Headset / Handset jacks are available at both the left and right operator positions. A Loudspeaker audio channel is also provided. Each audio channel can be programmed with Talk/Listen Nets, Monitor Nets, Conference Nets, or Keypad key assignments based on customer requirements. Volume is independently adjustable.

Loudspeaker:

Broadcasts Talk/Listen, Monitor, or Conference Net audio channels programmed at the MAT.

Circuit Pushbuttons (1-24):

Adds or removes conferences from the operator's audio. Also allows the operator to toggle between Talk/Listen and Monitor modes.

Simulated LEDs:

Indicate the operational mode for active circuits.

DTMF Keypad:

Allows tone dialing for placing outgoing calls.

ELECTRICAL CHARACTERISTICS:

Input Voltage:

36 VDC to 59 VDC, 48 VDC nominal

Input Current:

0.38 A to 1.0 A, 0.50 A nominal

* **Optional 110 VAC power supply module available**

Interface Signal:

ISDN 2B+ D over "U" interface, RS-422, or fiber optics

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