K2E1 – 600E

E1 network interface board

K2E1 – 600E
Express Full Size Model

The K2E1-600E board was developed to serve the CTI market, to be offered as an excellent option for applications that use E1 links and require advanced voice resources.

The board's voice resources, which include: DTMF detection and generation, fax signal detection, call progress, conference, etc., are available simultaneously for all network channels and are executed on the board's DSP, without taking away from the processing capacity of the host, which is involved only in the control and configuration of the resources. This architecture, in addition to being more robust, allows for use in applications with greater density, while using computers with less processing capacity, and consequently, lower cost, as compared to solutions where the resources are executed by software. Audible Response Units (URA), Telemarketing, Help Desk, Customer Service, Voice Mail, Call Center, Conference Equipment, UnPBX, and dialers, among others, are examples of applications where these boards can be used. Khomp offers the K2E1-600E and K1E1-300E boards in PCI and PCI-Express versions.

Features and Benefits:

- 1 or 2 digital E1 interfaces with 30 channels each (60 network channels)
- Network protocols: RDSI and R2 (with 60 MFC signaling transformers)
- PBX Protocol: EL7, Line Side, QSIG (SSCT) and E1LC.
- Full duplex recording and playing of messages in the .wav format
- Generation of 425Hz and DTMF beep signals
- DTMF and decadic pulse signal detection
- Detection of fax signals and voice mail (standard signaling: 600Hz/450ms – 1000Hz/450ms)
- Detection of silence and presence of audio before and after answering
- Codecs available for recording and playback: G.711, GSM and ADPCM
- Call progress and analysis of remote answering
- Conference for up to 120 channels, in groups of up to 8 participants (with DTMF suppression)
- Echo canceling on 60 channels simultaneously, independent from the use of other resources (optional hardware)
- Echo canceling with delay of 64ms (512 TAPS) or 128ms (1024 TAPS) and automatic convergence and adjustment of delay throughout the entire call
- Echo canceling compatible with ITU-T G.165 and G.168 (2000 and 2002) norms
- Effective carrier-grade echo canceling, guaranteeing clear communication with excellent audio quality
- H.100 bus for interconnection of boards with 4,096 time slots (compatible with SCbus, MVIP and HMVIP)
- E1 with 75-Ohm BNC connectors. Makes the use of a balun for coaxial cable unnecessary
- PCI-Express 1x Interface or greater, with DMA technology

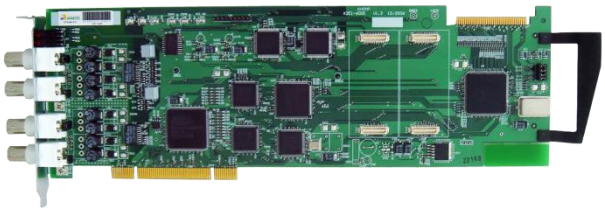
- Or PCI V2.2 universal Interface (3V3 or 5V)
- Available with RJ45 connector with 120-Ohm impedance.
- Available in full size (31.2 x 10.6 cm) and half size (17,5 x 11cm)
- Anatel Certification
- 3-year factory guarantee.

Outras Imagens:

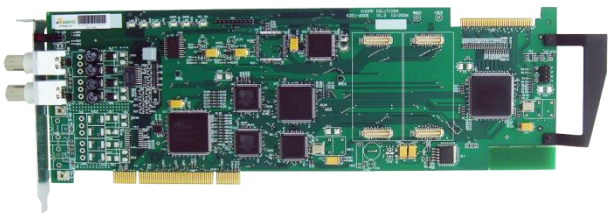
K1E1-300E - Express Full Size Model

The K2E1-600E and K1E1-300E Express model boards are available in Full or Half Size.

K2E1 – 600E | Express Half Size Model



K2E1 – 600E | PCI Model



K1E1 – 300E | PCI Model

Additional Hardware

Additional hardware for echo canceling includes the VEC-30 board, for 1E1, and the VEC-60, for 2E1s.

VEC-30

VEC-60