

LX-0008

8-port Long Haul Extension Board with Voice Processing

LX-0008 is a PCI bus PBX board that provides 8-channel long haul extension line interface. Loop distance supported can be extended to 5000 meters. Besides, 8-channel voice processing function, seven tone plants and SCSA bus digital switching are also equipped onboard. Through a polling and shared memory technique, up to 16 LX-0008 boards can operate simultaneously in a single system -- the maximum number of lines that can be supported depends on the application, the amount of disk I/O required, and the power of the host computer used.

Drivers / API

- Drivers for Windows NT/2000
- DLL type driver supports almost all kinds of programming languages
- API for C, VB are available

FEATURES & BENEFITS

- Single board PBX card provides full-function non-blocking switching.
- Supports 8 independent voice ports per board
- Supports 8 independent extension line interfaces
- The extension line can be extended to max. 5 km
- Built-in 7 tone plants include two ringback tone, busy tone, warning tone, two dial tone and music on hold.
- Provides free-port, non-blocking switching between ports onboard.
- Allows for a maximum of 2 sets of eight-way conference
- Dedicated processor to ensure background operation
- Pickup/Hangup/Flash detection; Flash duration selection (Extension Interface)
- Ringing generation (Extension Interface)
- Caller ID and message light generation (Extension Interface)
- DTMF dialing; Pause time selection (Voice Unit)
- Detect caller hang up signal whether or not the system is playing or recording message (Voice Unit)
- Real time digitizing, decompression during recording and playback (Voice Unit)
- Caller ID generating function
- DTMF detection during playback or recording (Voice Unit)
- Expands to maximum 16 boards to support 128 channel extension lines
- SCSA bus compatible
- Support SCSA bus switching

TECHNICAL SPECIFICATIONS

Host Interface:

- Bus: PCI 32 bit bus
- Shared Memory: 64K byte SRAM on each LX-0008.
- Interrupt: INTA
- Maximum Number of boards per system: 16

Extension Interface:

- Loop start
- DC Supply: -50V (standby)
- Loop current: 27.5 mA
- Frequency response: 200 -- 3400 Hz
- Ringing: 60-86Vrms (20 Hz), (max. load at each line is 4 REN)
- Loop distance: up to 5000 meters
- Loop impedance: up to 1500 ohms
- Caller ID generating: Bellcore GR-30-CORE
- Message light: Bellcore FSD 01-02-200
- Modular phone jacks with 2 RJ-45 outlets

Speech Digitizing (voice unit):

- Algorithm: G.711
- Storage requirement: 64 Kbps

Switching bus

- SCSA bus: One 26-pin connector to standard SCSA bus

DC power Input for ringer

- Input voltage: DC 12V
- Power consumption: maximum 1A
- Connector: 3-pin power connector
- Wiring from PC power supply

DC power Input for extension line DC supply

- Input voltage: DC -55V, -30V
- Power consumption: maximum 200mA
- Connector: 5-pin power connector
- Wiring from independent power supply

Power Supply

- Input voltage: AC 90-230V
- Output: DC -51.2 to -56.8V (1.8A maximum), and DC -28.5 to -31.5V (1.8A maximum)
- Output power: 100W maximum
- LX-0008 supported: 9 boards maximum
- Size: fit in half size 5.25" HDD drive bay

APPLICATIONS

- Multi tenant Central PBX
- Campus PBX
- In building local exchange carrier