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DN600CJCT-1E1 Digital Network Interfact Board CPCI

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Synopsis :

DN600CJCT-1E1 CompactPCI boards provide one E1/PRI lines of service termination and call processing for 30 channels (E1 boards) in a CompactPCI board set (main board and rear transition board). Downloadable firmware algorithms executed by the on-board DSPs provide variable voice coding at 24 Kb/s and 32 Kb/s adaptive differential pulse code modulation (ADPCM), and 48 Kb/s and 64 Kb/s μ -law or A-law pulse code modulation (G.711 PCM). Advance DSP arithmetic enable high density ASR(Auto Speech Recognition) application. Use Donjin NADK software developing kits, can compatible with Intel Dialogic API.

Features and Benefits

- Support for the innovative continuous speech processing technology enables seamless integration of software-based speech recognition software from leading speech technology vendors
- Supports one E1/PRI digital interfaces in a single slot for connection to the PSTN/PLMN.
- Support EC (Echo cancellation) and Barge-in.
- Support adjustable voice block function.
- Supports one E1/PRI digital interfaces in a single slot for connection to the public telephone network.
- Supports 60 channels of voice processing.
- Supports 30 channels of voice processing.
- 30-port send-and-receive FSK ability.
- Provides reliable DTMF tone detection during voice playback and recording.
- DN Series board's voice format fully compatible with Intel Dialogic's voice format. Provides variable voice coding at 24/32 Kb/s ADPCM(.vox), 48/64 Kb/s A-law/u-law PCM, and 48/64 Kb/s A-law/u-law/linear waves.
- Efficiently manages DSP resources to minimize host overhead and maximize host processing.
- Implements full H.110 (CT Bus) specification with 4,096 timeslots to build higher density systems and reduce time to market.
- Advanced DSP-based voice, DTMF/MF, and call progress functions ensure application reliability.
- Supply the same API as D/600JCT-1E1 of Intel Dialogic(SR5.11)

Applications

- Auto Speech Recognition system
- Voice/audio response systems
- Predictive dialer
- Automated call rerouting applications (debit card, international callback, long distance resale)
- Programmable switches
- Operator services
- Notification systems

Hardware System Requirements

- Pentium Processor CompactPCI bus computer. Operating system hardware requirements vary according to the number of channels being used.

System Software support

- Windows NT4.0+SP5 and above
- Windows2000+SP1 and above

Program Interface

- Visual C++, Borland C++, C++ Builder
- Delphi

Ordering Information:

Product Code	Module	Description
10020614	DN600CJCT-1E1	30-port Digital Network Interface board
10020618	RIO1200BNC	BNC,E1,75ohm
10020619	RIO1200R45	RJ45,E1,120ohm

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