

Dialogic® D/4 PCI UF

Voice, Speech and Analog Media Processing Resources

The Dialogic D/4 PCI UF is a standards-based board specifically designed to support Messaging applications as a four port analog board in a single PCI slot. It provides four analog telephone interface circuits for direct connection to analog loop start lines available for Voice.

FEATURES AND BENEFITS

Universal PCI edge connector for compatibility with 3.3V & 5.0V bus signals	Enables deployment in a wide variety of PCI chassis from popular manufacturers.
Variety of country specific approvals	Providing technology which is globally approved.
Supports G.726 Bit exact and GSM coders	Allows developers to implement messaging applications which meet VPIM standards.
A-LAW OR μ-LAW voice coding	Dynamically selectable data rates of 24 Kb/s to 64 Kb/s, selectable on a channel by channel basis. Optimal trade-off between disk storage and voice quality.
Half sized PCI form factor	Build cost effective systems using most up to date industry standard chassis.

D/4 PCI UF SPECIFICATIONS

HARDWARE

Analog Platform

CPU	80C186 @ 34.8MHz
DSPs	Motorola DSP56303 @ 100 MHz with 256K x 24 private SRAM
Media channels	Up to 4 voice
Telephone interface and signalling	Four RJ11, Loop Start
Physical	PCI Half-size Universal slot (5V or 3.3V)
Maximum Boards per system	8

VOICE PROCESSING

64Kbps PCM μ -law and A-law (8kHz sample rate)
48Kbps PCM μ -law and A-law (6kHz sample rate)
32Kbps G.726 (8 KHz sample rate)

32Kbps OKI ADPCM (8kHz sample rate)
24Kbps OKI ADPCM (6kHz sample rate)
13 Kbps GSM (8kHz sample rate)
Playback speed control, pitch controlled
Automatic gain control (AGC)
Silence detection

CALL PROGRESS AND CALL CONTROL

International busy tone detection
International ring call progress detection
Positive voice detection in as little as 1/10th of a second
Dial tone detection before dialing

OPERATING SYSTEM SUPPORT

Windows 2000 Server, 2003 Server and XP Professional
--