Dialogic D/4PCIUF and D/4PCIU4S
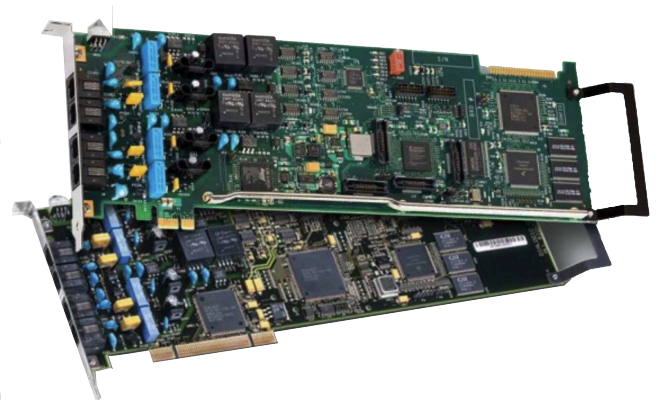
Media boards for high-performance voice and fax processing

| Datasheet

The Dialogic® D/4PCIUF (voice + fax) and D/4PCIU4S (voice + speech/ CSP) media boards are 4-port analog PCI or PCI Express half-size boards that are part of the family of Dialogic JCT Media Boards. These can be used by developers to provide small- and medium-sized enterprise Computer Telephony (CT) applications that require high-performance voice and fax processing.

They use DSP voice processing technology, making them well-suited for server-based CT systems under Windows and Linux. They also provide a powerful platform for creating sophisticated IVR applications. Caller ID support enables apps, such as IVR, receive calling party information via a telephone trunk line. It is supported for North America (CLASS), the United Kingdom (CLI), and in Japan (CLIP). Features such as fax and software-based speech recognition processing enable unified messaging applications. They also provide Automatic Gain Control (AGC), so even a weak telephone signal can be recorded and replayed with clarity.

√ **Supports up to 4 Channels of DSP-Based On-Board Fax**
- ⊙ Reduces the number of boards per system
- ⊙ D/4PCIUF models only

√ **Supports up to 4 Channels of Continuous Speech Processing (CSP)***
- ⊙ Provides a flexible speech processing technology, which, when coupled with efficient drivers, off-loads critical real-time signal processing in speech-enabled applications to on-board DSPs. Reduces system latency, increases recognition accuracy, and improves overall system response time for speech solutions.

√ **Separate Models Available with Universal PCI or PCI Express Edge Connector**
- ⊙ Universal PCI form factor compatible with 3.3 V and 5.0 V bus signals; and PCI Express form factor compatible with x1 lane configuration or higher

√ **A Variety of Country-specific Approvals**
- ⊙ Expands an application's ability to serve several global market segments

√ **Supports G.726 and GSM Coders**
- ⊙ Implements unified messaging applications that meet VPIM standards

√ **Voice Coding on a Channel-by-Channel Basis**
- ⊙ Allows for a beneficial tradeoff between disk storage and voice quality

√ **Half-size PCI or PCI Express Form Factor**
- ⊙ Cost-effective systems can be built using the up-to-date Commercial Off-The-Shelf (COTS) chassis

  * D/4PCIUF models only