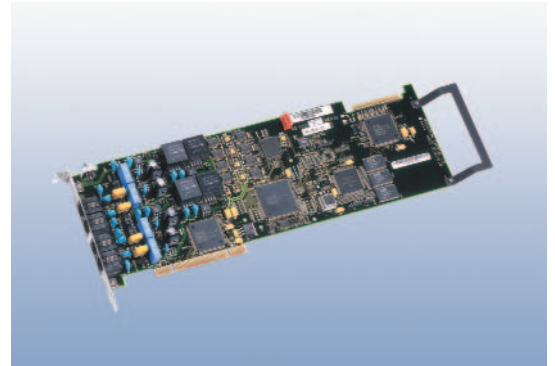


## Dialogic® D/41JCT-LS Combined Media Board

The Dialogic® D/41JCT-LS combined media board is a four-port analog converged communications board used for developing global enterprise applications such as unified messaging, interactive voice response (IVR), and contact centers. The D/41JCT-LS supports voice, fax, and software-based speech recognition processing in a single PCI or PCI Express® slot, providing four analog telephone interface circuits for direct connection to analog loop start lines.



Downloaded firmware algorithms, executed by the onboard digital signal processor (DSP), 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  $\mu$ -law or A-law pulse code modulation (PCM), as well as  $\mu$ -law to A-law conversion. Sampling rates and coding methods are selectable on a channel-by-channel basis. Applications can dynamically switch sampling rate and coding method to optimize data storage or voice quality as the need arises. Additional coding algorithms (such as Global System for Mobile Communications [GSM] and G.726) are available for use in applications that support the Voice Profile for Internet Messaging (VPIM) standard.

| Features   | Benefits  |
|--|---|
| <b>CT or H.100 bus connectivity</b>  | Enables an application to switch calls to or from other resources   |
| <b>Supports continuous speech processing</b>   | A flexible speech processing technology that couples with efficient drivers to offload critical real-time signal processing in speech-enabled applications to onboard DSPs. This reduces system latency, increases recognition accuracy, and improves overall system response time for high-density speech solutions. |
| <b>Supports up to four channels of DSP-based onboard fax</b>   | Reduces the number of boards per system   |
| <b>Separate models available with Universal PCI (PCIU) or PCI Express (PCIe) edge-connector</b>  | PCIU form factor compatible with 3.3V and 5V bus signals, enabling deployment in a wide variety of PCI chassis from popular manufacturers; PCIe form factor compatible with 1x slots (x1 or higher compatible) also available   |
| <b>A-law or <math>\mu</math>-law voice coding at dynamically selectable data rates, 24 Kb/s to 64 Kb/s, selectable on a channel-by-channel basis</b> | Optimal tradeoff between disk storage and voice quality   |
| <b>International Caller ID capability via on-hook audio path</b>   | Supports Bellcore* CLASS, UK CLI, Japanese Caller ID, and other international protocols   |
| <b>Patented outbound call progress analysis</b>  | Monitors outgoing call status quickly and accurately  |

## Technical Specifications

|                        |   |
|------------------------|---|
| Voice resources        | 4   |
| Fax resources          | 4   |
| Conferencing resources | 0   |
| CSP                    | Yes   |
| Form factor            | PCIU; PCIe  |
| Resource bus           | CT Bus  |
| Connection             | RJ-11   |
| Network interface      | Onboard loop start interface (LSI) circuits   |
| Signaling              | Analog loop start   |
| Operating system       | Linux: SR 6.1 SU 232 or higher; Windows: SR 6.0 SU 131 or higher.<br>Details at <a href="http://www.dialogic.com/systemreleases">http://www.dialogic.com/systemreleases</a> |
| Required accessories   | None  |

### Safety and EMC

|               |   |
|---------------|---|
| Canada        | ICES-003 Class A<br>CSA 950-95 ULc File E96804        |
| Europe        | EN60950<br>EN55022<br>EN55024                         |
| Japan         | VCCI Class A  |
| US            | FCC Part 15 Class A<br>UL 1950 3rd ed. UL File E96804 |
| International | IEC60950<br>CISPR 22<br>CISPR 24                      |

### Telecommunications

|                |                   |
|----------------|-------------------|
| Canada         | IC:885 5542 A     |
| European Union | DoC               |
| Japan          | A00-0796JP        |
| United States  | EBZUSA-75385-VM-T |

### Approvals, Compliance, and Warranty

|                            |  |
|----------------------------|--|
| Hazardous substances       | RoHS compliance information at <a href="http://www.dialogic.com/rohs">http://www.dialogic.com/rohs</a>                               |
| Country-specific approvals | See the global product approvals database at <a href="http://www.dialogic.com/declarations">http://www.dialogic.com/declarations</a> |
| Warranty                   | Warranty information at <a href="http://www.dialogic.com/warranties">http://www.dialogic.com/warranties</a>                          |

For more details, go to [www.dialogic.com](http://www.dialogic.com)

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