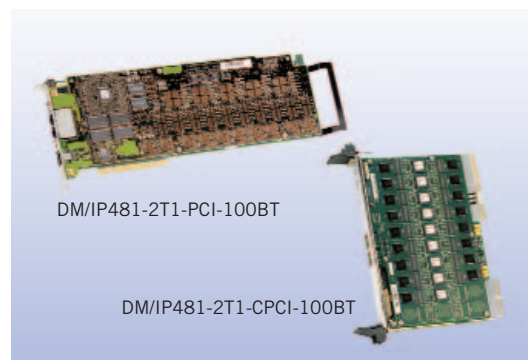


### Dialogic® DM/IP241-1T1-PCI-100BT, DM/IP301-1E1-PCI-100BT, DM/IP481-2T1-PCI-100BT, DM/IP481-2T1-CPCI-100BT, DM/IP601-2E1-PCI-100BT, DM/IP601-2E1-CPCI-100BT, and DM/IP601-CPCI-100BT Boards



Dialogic® DM/IP boards can be used to build next-generation IP telephony solutions for the enterprise and service provider marketplace. Original equipment manufacturers (OEMs), application developers, and IP telephony integrators can use these open, standards-based IP-enhanced services platforms to create high-performance, next-generation media processing subsystems. These IP telephony boards support the H.323 and SIP standards for communication across Internet Protocol (IP) networks and a wide variety of voice coder algorithms.

The optimized design of DM/IP boards incorporates all the necessary IP-related features on a single board. The platform includes an IP protocol stack that complies with International Telecommunications Union (ITU-T) H.323 specification (including H.225 and H.245 protocols) and it also supports Session Initiation Protocol (SIP).

DM/IP boards offer a full range of optimized, low-bandwidth voice coder algorithms for transmitting audio over an IP network, including the ITU-T G.711, G.723.1, G.729a, ITU GSM, and real-time Fax over IP (FoIP; ITU T.38).

Advanced features include voice activity detection (VAD) for maximum bandwidth utilization (supported in G.729a and G.723.1 coders only), as well as embedded high-performance echo cancellation and out-of-band dual-tone multifrequency (DTMF; touchtone) processing optimized for the IP network. The jitter buffers can be tuned for optimal performance. The boards also support IETF RFC2833 for out-of-band DTMF tones.

Features	Benefits
Onboard media processing for both PSTN and IP interfaces	Enables media gateway and IP messaging applications in a single slot
H.323 or SIP under R4 and Global Call APIs	Provides compatibility with leading Voice over IP (VoIP) standards
IP protocols such as MGCP and Megaco (H.248) through the use of host-based split call control	Allows use of any call control stack through the IP Media Library
ITU T.38 real-time FoIP	Enables unified messaging solutions and packet-based fax
0, 1, or 2 PSTN interface(s) (T1 or E1), Ethernet connection, and mediastream processing capability on a single card	Reduces time-to-market and lowers cost by eliminating complexities associated with multiple resources

## Technical Specifications

Voice resources	24, 30, 48, or 60
Fax resources	Yes
Conferencing resources	30 (DM/IP241 and DM/IP301 only)
IP channels	24, 30, 48, or 60
CSP	Yes except for DM/IP481 and DM/IP601 PCIU
Form factor	PCIU; CompactPCI
Resource bus	CT Bus
Connection	RJ-48C; Ethernet
Network interface	T1 or E1; 100BaseTX Ethernet
Signaling	SIP; H.323; MGCP; MEGACO
Operating system	Linux; Windows. Details at <a href="http://www.dialogic.com/systemreleases">http://www.dialogic.com/systemreleases</a>
Volts	3.3, 5
Required accessories	CompactPCI requires rear I/O, T1 or E1, and 100BaseTX

### Safety and EMC

Canada	ICES-003 Class A ULc 60950 File E96804
Europe	EN60950 EN55022 EN55024
Japan	VCCI Class A
United States	FCC Part 15 Class A UL 60950 File E96804
International	IEC60950 CISPR 22 CISPR 24

### Telecommunications

United States	EBZUSA-31207-XD-T
Canada	IC: 885-7969A
European Union	DoC 01/10/2003

### 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	See 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)

### Dialogic Corporation

9800 Cavendish Blvd., 5th floor  
Montreal, Quebec  
CANADA H4M 2V9

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