

Dialogic® 2000 Media Gateway Series

Formerly Dialogic® T1/E1-IP Media Gateway (TIMG)



The Dialogic® 2000 Media Gateway (DMG2000) series is a set of turnkey appliances that seamlessly merge traditional PSTN technology with IP networks. These economical gateways help consolidate typically separate voice and data networks and provide new and differentiated communications services. The gateways allow service providers and enterprises to realize the benefits of a converged voice and data network without making radical, disruptive, and expensive upgrades to existing PBX equipment.

The Dialogic 2000 Media Gateways can be installed and configured “plug and play,” reducing the total cost of ownership. Operations, Administration, and Maintenance (OA&M) features enabled by a user-friendly web interface make the installation and maintenance of these appliances quick and easy.

The cost of the Dialogic 2000 Media Gateways makes them an ideal solution for enterprises interested in deploying a variety of applications such as PBX extension, remote office connectivity, long-distance consolidation, call centers, and IP media servers. Available in 19-inch standard rack mountable chassis, these appliances are also ideal for service providers offering hosted IP-PBX, IP Centrex, and enhanced messaging services.

Features	Benefits
Provides an interconnect between legacy PBXs and various IP endpoints	Enables communication between a circuit-switched telephony network and H.323 or Session Initiated Protocol (SIP) compatible remote devices such as IP voice mail, unified messaging applications, and IP phones
Available in single, dual, and quad density T1/E1 rack mount appliances	Offers a range of product densities to fit the needs of a variety of applications and business sizes
Compatible with a variety of popular PBX manufacturers including Alcatel, Avaya, Mitel, NEC, Nortel, and Siemens	Protects investment in legacy telecommunications equipment and allows a phased migration to IP
Support for IP load balancing and IP fault tolerance	Allows the ability for inbound (TDM-to-IP) calls to round-robin between available media servers and automatically routes calls away from unresponsive media or proxy servers
Supports supplementary services on CAS, QSIG, Euro ISDN, NI2, DMS100, 5ESS protocols, enabling call transfer, call hold, MWI, and call party information	Helps retain key supplementary services in the new IP environment
Seamless interoperability with Dialogic® Host Media Processing software	Provides the option for customers to build enhanced applications on top of base gateway and PBX functions, and make those applications available on legacy handsets
Supports configuration via serial, telnet, and a web browser including context-sensitive Help	Easy to install, configure, debug, and maintain
IP security features include TLS, SRTP, and HTTPS	Enables secure communications for SIP messages via TLS, for media stream via SRTP, and for web interface via HTTPS

PBXs Supported

Manufacturer	Models
Alcatel	OmniPCX 4400
Avaya	DEFINITY G3; S8500; 5ESS
Mitel	SX-2000 S; SX-2000 VS; 3300
NEC	2400 IMX; 2400 IPX
Nortel	Meridian 1— Option 11c; DMS100; Nortel Communications Server 1000
Siemens	Hicom 300E CS; HiPath 4000

Technical Specifications

Ports per unit	24/48/96-port (T-1/PRI) 30/60/120-port (E-1/PRI)
Network interface	10/100 BaseT Ethernet LAN port
Protocol support	Serial: MCI; MD-110; SMDI T-1 ISDN: 5ESS; DMS100; NI2; QSIG T-1 CAS: E&M; GroundStart; LoopStart E-1: EuroISDN; QSIG VoIP: H.323; H.450; SIP; RTP/RTCP QoS: ToS; DiffServ FoIP: T.38
Physical dimensions	Height: 1.68 in. (4.27 cm) Width: 19 in. (48.26 cm) Length: 14.2 in. (36.07 cm) Weight: 11.1 lbs (5.03 kg)

Safety and EMC

Canada	CAN/CSA 60950, third edition IC ES-003 Class B
European Union	EN 60950 EN 55022-1998 Class B
United States	ANSI/UL 60950, third edition FCC Part 15 Class A

Telecommunications

Canada	IC CS03, Issue 7
European Union	EN 55024:1998
United States	FCC Part 68

Approvals, Compliance, and Warranty

Hazardous substances	RoHS compliance information at http://www.dialogic.com/rohs
Country-specific approvals	See the global product approvals database at http://www.dialogic.com/declarations
Warranty	See warranty information at http://www.dialogic.com/warranties

For more details, go to www.dialogic.com

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