

Dialogic® 4000 Media Gateway Series

The Dialogic® 4000 Media Gateway Series (DMG4000 Gateways) is a set of integrated systems designed to connect Microsoft® Office Communications Server 2007 to existing PBX systems and PSTN networks. Based on a standard rack-mount server running the Windows® Server operating system, the DMG4000 Gateways are “hybrid gateways” designed for the Office Communications Server 2007 role of Mediation Server, which is Microsoft’s technology providing PSTN and PBX interoperability, high-fidelity VoIP, and security.



The DMG4000 Gateways have a familiar user interface, which minimizes Total Cost of Ownership (TCO) by reducing the need for operational and administrative training and special maintenance. In addition, the DMG4000 Gateways keep the number of devices needed to support Office Communications Server 2007 to a minimum by integrating the Mediation Server into a gateway, reducing hardware maintenance.

The DMG4000 Gateways contain field-proven Dialogic® Diva® boards and Dialogic® Diva® SIPcontrol™ Software in addition to Mediation Server software. These elements are integrated in a rugged, compact 1U Intel IP Network Server NSW1U, which features a high-performance 64-bit Dual-Core Intel Xeon processor 5100 series, resulting in a system that can be installed easily in a standard data center rack. The DMG4000 Gateways also offer dual Gigabit Ethernet interfaces for IP network connection, as well as a choice of two or four T1/E1 interfaces to the PSTN or PBX. They can be configured to support up to 120 channels of unified communications traffic between legacy networks and an IP network hosting Office Communications Server 2007.

Features	Benefits
Tested for use as an interconnect between legacy PBXs or the PSTN and the Office Communications Server 2007	Enables unified communications features for a circuit-switched telephony network
Available as a 1U rack mount integrated system supporting configurations of 48/60 channels (T1/E1) or 96/120 channels (T1/E1)	Offers a range of product densities for businesses of various sizes
Hosts co-located Mediation Server, an element of the Office Communications Server 2007 solution	Reduces the number of servers needed for a unified communications solution and minimizes administrative effort, resulting in lower TCO
Compatible with the equipment of popular PBX manufacturers, including Aastra, Alcatel-Lucent, Avaya, Ericsson, Matra, Nortel, and Siemens	Protects investment in legacy telecommunications equipment and allows a phased migration to IP
Includes redundant power supply, Raid-1 hard disk subsystem, and a failover and load balancing Ethernet network connection	Provides high availability
Supports supplementary services on ETSI-DSS1, QSIG, and other TDM protocols	Brings important supplementary services, such as call transfer, call hold, MWI, and call party information, to an IP environment
Supports configuration via standard Windows® Desktop or Remote Desktop connections	Easy to install, configure, debug, and maintain

Technical Specifications

Ports per unit	Dialogic® DMG4060DTI Media Gateway: 2-port T1/E1 (48/60 channels) Dialogic® DMG4120DTI Media Gateway: 4-port T1/E1 (96/120 channels)
Network interface	2 x 10/100/1000 BaseT Ethernet LAN port with load balancing
Protocol support	E1 ISDN: ETSI-DSS1 (EuroISDN), INS-1500 (Japan), QSIG E1 CAS: MFR2 T1 ISDN: NI-1, 4ESS, 5ESS, DMS100, QSIG T1 CAS: RBS
IP protocols	RFC 3261, RFC 2327, RFC 3265, RFC 3515; RFC 2833; Microsoft® SIP specifications
Physical dimensions	Height: 1.70 in. (4.32 cm) Width: 16.93 in. (43.0 cm) Length: 20.0 in. (50.8 cm)
Power supply	90 VAC to 264 VAC 450 W Power Factor Corrected (EN61000-3-2) Two (2) redundant power supplies included
Mediation Server	Globally Routable User Agents URI SIP over mutual TLS SRTP on Communications Server RT Audio on Communications Server Interactive Connectivity Establishment (ICE) support

Approvals, Compliance, and Warranty

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

Ordering Information

Dialogic® Product	Order Code
DMG4060DTI Media Gateway	306-313
DMG4120DTI Media Gateway	306-314

For more details, go to www.dialogic.com

Dialogic Corporation

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

INFORMATION IN THIS DOCUMENT IS PROVIDED IN CONNECTION WITH PRODUCTS OF THE DIALOGIC CORPORATION ("DIALOGIC"). NO LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE, TO ANY INTELLECTUAL PROPERTY RIGHTS IS GRANTED BY THIS DOCUMENT. EXCEPT AS PROVIDED IN A SIGNED AGREEMENT BETWEEN YOU AND DIALOGIC, DIALOGIC ASSUMES NO LIABILITY WHATSOEVER, AND DIALOGIC DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY, RELATING TO SALE AND/OR USE OF DIALOGIC PRODUCTS INCLUDING LIABILITY OR WARRANTIES RELATING TO FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR INFRINGEMENT OF ANY INTELLECTUAL PROPERTY RIGHT OF A THIRD PARTY.

Dialogic products are not intended for use in medical, life saving, life sustaining, critical control or safety systems, or in nuclear facility applications.

Dialogic and Diva are registered trademarks of Dialogic Corporation. Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States and/or other countries. Other names of actual companies and products mentioned herein are the trademarks of their respective owners. Dialogic encourages all users of its products to procure all necessary intellectual property licenses required to implement their concepts or applications, which licenses may vary from country to country. Dialogic's trademarks may be used publicly only with permission from Dialogic. Such permission may only be granted by Dialogic's legal department at the address listed above. Any authorized use of Dialogic's trademarks will be subject to full respect of the trademark guidelines published by Dialogic from time to time, and any use of Dialogic's trademarks requires proper acknowledgement.

None of the information provided in this datasheet other than what is listed under the section entitled Technical Specifications forms part of the specifications of the product and any benefits specified are not guaranteed.

Dialogic may make changes to specifications, product descriptions, and plans at any time, without notice.

Copyright © 2007 Dialogic Corporation All rights reserved.

10527-01 09/07