

A Guide to RoHS Compliance at Dialogic



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Scope

This document provides information about RoHS compliance for the following types of Dialogic® products:

- Media processing, switching, and signaling boards
- Signaling products
- Media gateways

What Is RoHS?

Restriction of Hazardous Substances (RoHS) is a European Union (EU) directive whose purpose is to approximate the laws of the Member States of the EU on restriction of the use of certain hazardous substances in electrical and electronic equipment. RoHS came into force on July 1, 2006 within the EU. Other countries are working on their own variations of RoHS, which may set separate standards. China implemented its RoHS variation in March 2007, and Korea is expected to do so in July 2007. Other countries are also moving forward with similar legislation.

The RoHS directive aims to reduce the overall environmental impact of electrical and electronic equipment by making producers more responsible for the downstream impact of the products they design, manufacture, and assemble.

Identifying Compliant Dialogic® Products

As of June 15, 2007, all shipping Dialogic products are RoHS compliant. The commercial part number (the number used to order a Dialogic® product) shows its level of RoHS compliance. Look for a “3” or a “5” in the following positions in the part number (shown here in boldface type):

- xxx-yyy-**3z**
- xxx-yyy-**5z**

Some Dialogic products, including boards with JCT and DM3 architecture, have a “W” or a “Q” in their product

names to identify the type of RoHS compliance that applies to them.

The difference between products marked with a “3” in their commercial part numbers (“W” in product names) and a “5” in their commercial part numbers (“Q” in product names) is primarily the presence of lead in solder. Because all RoHS-compliant products marked with a “3” and “W” contain lead in solder, the following RoHS exemption may apply to them, depending on their application:

The part does not contain RoHS restricted substances per the definition above except lead, which is used under the following exemption: Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signaling, transmission as well as network management for telecommunications. The applicability of this exemption depends on use of the part in one of the listed exempt applications. (Item 3 of the RoHS Directive)

Here are some examples of part numbers with the “3” and “5” (shown in boldface type):

- 888-123-**3z** — RoHS commercial product 5/6
- 888-789-**5z** — RoHS commercial product 6/6

Here are some examples of product names with “W” and “Q” (shown in boldface type):

- DMV600BTEP**W** — RoHS commercial product 5/6
- DMV600BTEPW**N**LK — RoHS commercial product 5/6
- SS7SPCI4**Q** — RoHS commercial product 6/6

Migration for Non-RoHS-Compliant Products

Dialogic products that do not have RoHS-compliant versions are listed in Table 1. For each product that is non-RoHS compliant, one or more suggested migration products are provided.

Dialogic® Non-RoHS-Compliant Products	Suggested Dialogic® and Dialogic® Diva® RoHS-Compliant Migration Products
CPI24001T1PCIU	Diva PRI/T1-24
CPI30001E1PCIU	Diva PRI/E1-30
DIO408LSAR2EUI	DIO408LSWEU
DIO408LSAR2I	DIO408LSW
DMIP4812T1C100	DMIP4812T1PW or IPT1200CW
DMIP6012E1C100	DMIP6012E1PW or IPT1200CW
DMN12004E1CPCI	DMN160TECW
DMN9604T1CPCI	DMN160TECW
DMV12004E1CPCI	DMV1200A4E1CW
DMV4804T1CPCI	DMV9604T1PCIW or DMV960A4T1CW
DMV4804T1PCI	DMV9604T1PCIW
DMV6004E1CPCI	DMV12004E1PCIW or DMV1200A4E1CW
DMV6004E1PCI	DMV12004E1PCIW
DMV9604T1CPCI	DMV960A4T1CW
HDS11200CPCI	HDS11200PCIW
HDS1480CPCI	HDS1480PCIW
HDS1720CPCI	HDS1720PCIW
HDS1960CPCI	HDS1960PCIW
MSI160PCIGBL	DISI16W

Table 1. Suggested RoHS-Complaint Migration Products

Additional Information

For details about the exemptions for a specific product, consult the product's Declaration of Conformance (DoC), which can be obtained from your Dialogic account manager or authorized distributor.

Appendix A. Definition and Declarations

RoHS Definition

Quantity limit of 0.1% by mass (1000 PPM) of homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE)

Quantity limit of 0.01% by mass (100 PPM) of homogeneous material for: Cadmium

Dialogic understands RoHS requirements for restricted substances in the RoHS directive are either (1) below all applicable substance thresholds as defined by the EU or (2) an approved exemption applies. (**Note:** Some RoHS implementation details are not fully defined and may change.)

RoHS Declaration

For more information about RoHS, refer to the document at the following link which includes frequently asked questions and answers about the RoHS directive: http://ec.europa.eu/environment/waste/pdf/faq_wEEE.pdf

Dialogic Corporation has systems in place to verify conformance with all applicable environmental requirements and to the best of Dialogic's knowledge the information in this application note is true and correct.

To learn more, visit our site on the World Wide Web at <http://www.dialogic.com>.

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