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| 1 | USB 2.0 port | Allows you to attach a USB component to the front of the chassis. |
| 2 | NMI button | Puts the server in a halt-state for diagnostic purposes. |
| 3 | Reset button | Reboots and initializes the system. |
| 4 | Hard disk drive LED | Random blinking green light indicates hard disk drive activity (SCSI).
No light indicates no hard disk drive activity. |
| 5 | NIC 0 Activity LED | Blinking green light indicates network activity.
Continuous green light indicates a link between the system and the network to which it is connected. |
| 6 | NIC 1 Activity LED | Blinking green light indicates network activity.
Continuous green light indicates a link between the system and the network to which it is connected. |
| 7 | System Status LED | Solid green indicates normal operation.
Blinking green indicates degraded performance.
Solid amber indicates a critical or non-recoverable condition.
Blinking amber indicates a non-critical condition.
No light indicates POST is running or the system is off. |
| 8 | Power/Sleep button | Toggles the system power on/off. |
| 9 | Power/Sleep LED | Continuous green light indicates the system has power applied to it.
Blinking green indicates the system is in S1 sleep state.
No light indicates the power is off / is in ACPI S4 or S5 state. |
| 10 | System Identification button | Toggles the front panel ID LED and the server board ID LED on and off. |
| 11 | System Identification LED | Solid or blinking blue indicates system identification is active.
No light indicates system identification is not activated.
Note: The server board LED is visible from the rear of the chassis and allows you to locate the server from the rear of a rack of systems. |

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Overview

This Dialogic® IP Media Server *Quick Install Guide* is for qualified personnel who are responsible for installing the server.

The Dialogic® IP Media Server is an open, carrier-class IP media server. It leverages the simplicity and flexibility of SIP and VoiceXML to provide a cost-effective and scalable IP media server option that is suitable to power a broad range of voice and video services for next generation wireline, wireless, and broadband networks.

Dialogic® IP Media Server software is available on an integrated platform to address individual deployment requirements:

- Low-profile 1U rack-mount server
- 2.8 GHz dual processor system
- Dual Ethernet ports
- Dual or single power supply systems
- Optional factory-installed EDP-10 DSP for dedicated digital signal processing

Dialogic® IP Media Server technology is based on the Intel 1U Server Chassis SR1450 and the Intel Server Board SE7520JR2.

For additional technical information concerning the Intel chassis and server, see the Intel Technical Product Specification on the documentation CD included with the IP Media Server.

Requirements

To install the Dialogic® IP Media Server, you need the following:

- Phillips-head screwdriver for mounting the chassis to the rack
- Cables for the RJ45 NIC interfaces
- PC or laptop with a terminal emulation

Dialogic recommends that the systems be powered using a UPS system for reliability and protection from power fluctuations.

Optional Components

The integrated Dialogic® IP Media Server is available with optional components. A second redundant power supply is available as a factory-installed option.

The Dialogic® IP Media Server is also available with an optional EDP-10 DSP that enables G.726, G.729, and AMR-NB* codecs. This is a factory-installed option, not a field-upgradable option. Note that although your IP Media Server may have open disk drive bays, these must not be upgraded with field-installed drives.

*Use of the AMR-NB resource in connection with a Dialogic® product does not grant the right to practice the AMR-NB standard. To seek a patent license agreement to practice the standard, contact the VoiceAge Corporation at <http://www.voiceage.com/licensing.php>

Contact Information

Dialogic provides support for those customers who have purchased a support contract for the IP Media Server. If you purchased products from a reseller, please contact that reseller for technical support.

Please use the following web site to contact Dialogic support:

www.dialogic.com/support/

1 - Check Package Contents

The IP Media Server shipment includes two boxes. Unpack them and verify that you have received the following items:

- Chassis
- Bezel
- AC Power Cord(s)
- Hardware Warranty
- Sliding rail kit and installation guide
- Documentation package
 - End User License
 - CD containing electronic versions of the documentation and release notes

2 - Rack Mount the Server

The IP Media Server comes with sliding rails and a set of fixed rails for mounting in rack-mount systems. The configuration of your racks may dictate which rails you are able to use. Refer to the installation instructions provided with the rails for more information.

You must also install the rack-mount handles that are included with the rails. The rack-mount handles hold the front bezel in place. The front bezel includes a lock and key set to prohibit access to the front panel buttons while allowing you to view the activity LEDs.

Continue to Step 3

3 - Connect System Cables

Network

Cables connect at the rear of the chassis. There are two 1Gb Ethernet ports and a serial port connector. The standard Ethernet ports are labeled eth0 and eth1. Refer to the Dialogic® IP Media Server - Rear View drawing for the location of each connector.

Power

Note that one model of the IP Media Server has two power supplies, whereas the other model has a single power supply. If you have a single power supply system, plug the power cord into the *F- Front Power Supply* connector.

Serial Port

The serial port (RJ45 connector) is located to the left of the Ethernet ports. You can connect the serial port to a terminal server for alternative access to the system. The default setup for the serial connection is Rate: 9600 baud, Bits: 8, Parity: None, Stop Bits: 1, Flow Control: None.

4 - Apply Power

After connecting all cables, power on the system by pressing the Power button on the front panel. Wait until the system is fully running, as indicated by the Front Panel LEDs, before configuring a management interface (described in step 6).

5 - Attach Front Bezel

After pressing the Power button to turn on the IP Media Server, you should snap the front bezel into place and use the enclosed keys to lock it. This prevents unauthorized access to the front panel buttons.

6 - Configure a Management Interface

The system is configured to run DHCP on the Ethernet interfaces (eth0, eth1). If you use DHCP to set the IP address of an interface and you know the IP address, then you can use the Web User Interface (Web UI) immediately.

If you do not know the IP address configured on the system or to set an IP address for the first time, access the system with a monitor and keyboard or over the serial port. Connect to the serial port using any standard terminal interface.







When a connection to the IP Media Server is established, the login prompt appears. The IP Media Server is delivered with a single administrator access level user defined in the system. The login prompt appears as follows:

```
{hostname} login:
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Use "admin" as the user name to log into the serial port or through the console using the Web User Interface (Web UI).

6 - continued

Use the keyboard to navigate through the interface.

Navigation Key	Description
 	Navigate through the fields in the display.
	
	Select an option.
	To apply, cancel or reboot.
	To access help.

Select the *Interface Configuration* command.

Specify an IP address for each interface, including eth0 and eth1.

To change the IP address of an interface:

- Select the interface to be configured.
- Tab to the IP address field.
- Enter an IP address.
- Enter a network mask.
- Make a note of the IP address and apply the change.

The next screen displayed is the original screen you saw when you logged in. Tab to the REBOOT option and press ENTER.

The IP Media Server reboots and the interface comes up with the specified addresses. All further configuration is done through the Web User Interface. The Web User Interface arrives configured to use HTTP. If HTTPS is preferred, you can install a security certificate and key on the system using the Web User Interface.

7 - Activate License

The IP Media Server must have its license activated in order to become fully functional. Refer to the *License Activation Guide* for information about activating your Dialogic® IP Media Server license.

8 - Configure and Administer

Refer to the Dialogic® *IP Media Server Installation and Operations Guide* for information about configuring and administering the IP Media Server.

Troubleshooting

This equipment contains no user serviceable parts and is not intended for repair by unauthorized personnel.

If you experience problems with the IP Media Server chassis and need repair or warranty information, please contact Dialogic to acquire an RMA number. You may need to send the IP Media Server to Dialogic for servicing under the RMA number.

Specifications

Processor	Dual Intel Xeon Processors @ 2.8 GHz
Hard Disk	Single 70GB
Ethernet	Two 1Gb Ethernet Ports (eth0, eth1)
PCI Slots: full-height low-profile	1 1
Memory	2GB
Power	Single or dual 520W Power Supplies AC Voltage: 100–127 / 200–240 V~; 6.5 / 3.2A
Weight	~28 / 35 lbs
Dimensions	Height 1.7", Width 16.93", Depth 26.46" (43 mm x 430 mm x 672 mm)
Temperature: Operating Non-operating	+50°F to +95°F (+10°C to +35°C) –40°F to +158°F (–40°C to +70°C)
Humidity Non-operating	90% (non-condensing) @ +30°C
Cooling Requirements	2322 BTU/hour (based on 520W maximum power, 78% power subsystem efficiency, and 98% power factory correction loss)
Rack Mounting Requirements	See the <i>Server Rack Cabinet Compatibility Guide</i> on the Documentation CD.
EDP-10 (Optional)	DSP Card for G.726, G.729, and AMR-NB Codec Support (LED Indicators: On, Active, Transmit Receive)