



CHAPTER 2

Installing the Cisco Unified Videoconferencing 5000 MCU

- [Front and Rear Views of the Cisco Unified Videoconferencing 5200 Chassis, page 2-1](#)
- [Cisco Unified Videoconferencing 5000 Media Blade Panel Features, page 2-2](#)
- [Shelf Manager Panel Features, page 2-3](#)
- [How to Perform Initial Cisco Unified Videoconferencing 5000 MCU Configuration, page 2-3](#)
- [Accessing the MCU Interface, page 2-7](#)

Front and Rear Views of the Cisco Unified Videoconferencing 5200 Chassis

Figure 2-1 Chassis Front Panel

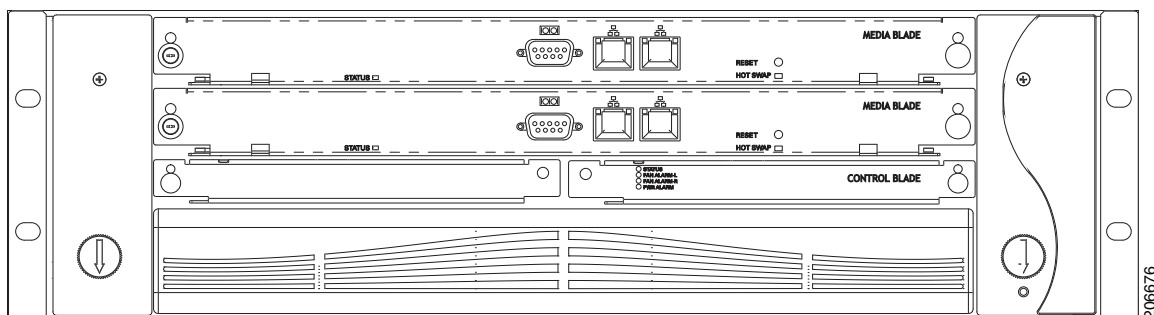
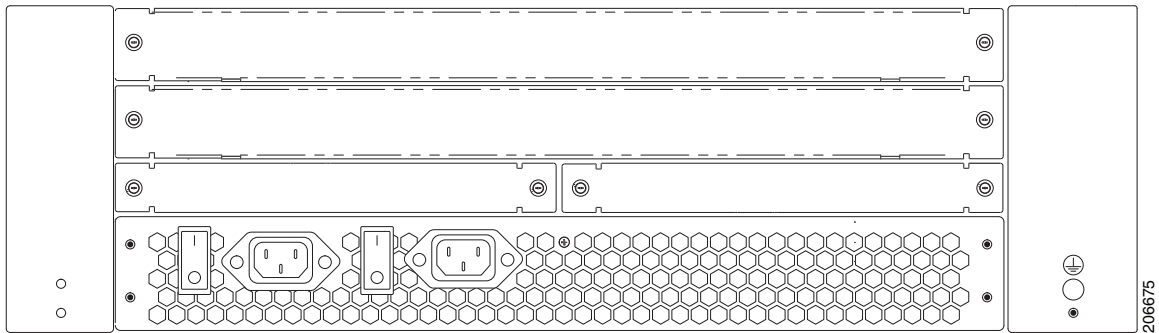


Figure 2-2 Chassis Rear Panel



Cisco Unified Videoconferencing 5000 Media Blade Panel Features

Figure 2-3 Media Blade Front Panel

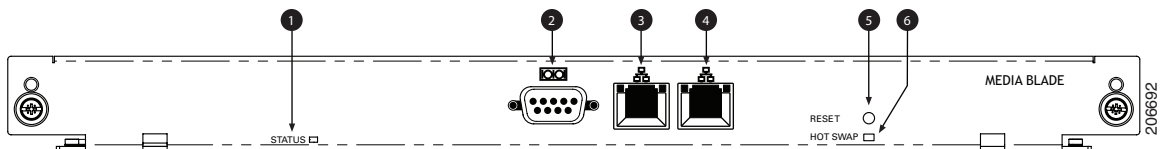


Table 2-1 Media Blade Panel Features

Component	Description
1 STATUS LED	Lights green to indicate normal operation. Lights red to indicate that an error has occurred and that the Media Blade requires resetting.
2 Serial connector	A DB-9 connector that allows you to connect a PC terminal for local configuration, maintenance and debugging.
3 100/1000 BASE-T Ethernet connectors	RJ-45 connectors that provide the primary LAN connection for the IP network port.
4 Ethernet connector Link/Activity LEDs	The top part of each Ethernet connector contains two LED indicators. The right LED lights green when the local IP network link is active. The left LED lights green if the connection speed reaches 1000 Mbps, and lights orange if the connection speed reaches 100 Mbps.
5 RESET button	Allows you to reset the Media Blade manually.
6 HOT SWAP LED	Lights blue when the latches of the board are unlocked and it is safe to remove the board from the chassis, and during reset. Goes off when the board is completely detached.

Shelf Manager Panel Features

Figure 2-4 Shelf Manager Front Panel

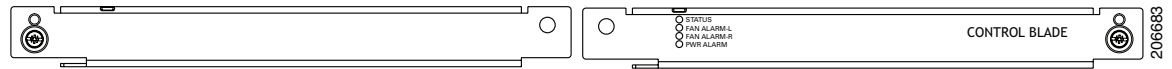


Table 2-2 Shelf Manager Panel Features

Component	Description
STATUS LED	Lights green to indicate normal operation.
FAN ALARM - L LED	Lights red if the tachometer speed in one or more fans in the left fan tray falls below 900 rpm.
FAN ALARM - R LED	Lights red if the tachometer speed in one or more fans in the right fan tray falls below 900 rpm.
PWR ALARM LED	Lights red if there is a failure in one of the AC power supplies.

How to Perform Initial Cisco Unified Videoconferencing 5000 MCU Configuration

- [Setting Ethernet Speed and Duplex Parameters, page 2-3](#)
- [Setting the IP Address for Both Blades, page 2-4](#)
- [Initial Configuration and Boot Phases, page 2-6](#)
- [Changing the Global User Name and Password, page 2-6](#)

Setting Ethernet Speed and Duplex Parameters

Use the serial port to set the Ethernet speed and duplex parameters that you want the MCU to use.

Procedure

Step 1 Access the MCU through the serial port and start the terminal emulator session.



Note If the MCU is already running, you need to reboot or restart the device.

Step 2 When the message “Press any key to start configuration” appears on the screen, press any key within 10 seconds.

The network configuration Main menu appears.

Step 3 Enter **A** at the prompt to display the Advanced Configuration menu, and press **Enter**.

The Advanced Configuration menu appears.

Step 4 Enter **3** at the prompt to select “Change LAN port Settings”, and press **Enter**.

Step 5 Enter the appropriate number or letter at the prompt for one of these options:

- 1 - 100Mbps Half Duplex
- 2 - 100Mbps Full Duplex
- 3 - 1Gbps Full Duplex
- 4 - Auto Negotiation
- Other - Quit



Note We recommend that you select “4 - Auto Negotiation”.

Step 6 Press **Enter**.

The network configuration Main menu appears.

Step 7 Do one of the following:

- Enter the letter for the set of parameters that you want to configure.
 - Enter **Q** to save your changes and allow the device to complete the boot process.
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Setting the IP Address for Both Blades

You use the serial port on the MCU front panel to assign a new IP address to your MCU. You must assign the IP address before you connect the MCU to the network.

Before You Begin

Gather these items to assign an IP address to the MCU:

- Dedicated IP address for the two Media Blades
- Dedicated subnet mask for the MCU
- IP address of the default router the MCU uses to communicate over the network
- PC with available serial port and terminal emulator software installed
- Serial cable

Procedure

Step 1 Connect the serial cable from the PC terminal to the serial port on the front panel of the upper Media Blade.

Step 2 Connect the power cable.

Step 3 Start the terminal emulation application on the PC.

Step 4 Set the communication settings in the terminal emulation application on the PC as follows:

- Baud rate: 9600
- Data bits: 8
- Parity: None
- Stop bits: 1

- Flow control: None

Step 5 Turn on the power to the MCU.

A log of the auto-boot events and a VxWorks banner scrolls across the computer monitor.

Step 6 When the message “Press any key to start configuration” appears on the screen, press any key within 10 seconds.

The network configuration Main menu appears:

Main menu

N: Configure default network port values

P: Change the configuration software password

S: Configure network security level

T: Configure TFTP servers list

A: Advanced configuration menu

Q: Quit



Note If you do not press a key before the countdown ends, the device continues its initialization and you will need to reboot the device to return to the network configuration Main menu.

Step 7 Enter N at the prompt to configure default network port values and press **Enter**.

Step 8 Enter 2 to change the network configuration.

Step 9 Enter the IP address you want to assign to the MCU at the Enter IP address for default interface prompt and press **Enter**.



Note Do not use leading zeros in the IP address.

Step 10 Enter the IP address you want to assign to the Secondary Media Blade at the Enter IP address 2 prompt and press **Enter**.



Note Do not use leading zeros in the IP address.

Step 11 Enter the IP address of the router associated with the segment in which the unit will be installed at the Enter Default Router IP Address prompt and press **Enter**.



Note Do not use leading zeros in the IP address.

Step 12 Enter the subnet mask without leading zeros at the Enter IP Mask for default device prompt and then press **Enter**.

If you are not using a subnet mask, press **Enter**.

Step 13 Allow the unit to complete the reboot process. A new emulator session begins.

Step 14 Close the terminal emulator session.

Initial Configuration and Boot Phases

Initial monitoring and administration of the MCU are performed from a remote PC through a serial connection using a terminal emulation application, such as HyperTerminal. This allows you to access the boot configuration menu of the MCU. At power-up, the MCU goes through the following boot phases:

- Auto-boot—The embedded operating system initializes and displays basic information.
- Configuration menu—A 10-second countdown allows you to enter the configuration menu.
- Initialization—The MCU completes its boot sequence and is ready for operation.

**Note**

You can perform serial port configuration of the MCU only at startup, during a short period indicated by a 10-second countdown. Once the initialization phase is complete, the only way you can access the configuration menu is by restarting the MCU.

Changing the Global User Name and Password

You can change the global user name and password that the MCU uses. You use this user name and password to access the configuration web page for the MCU. The user name and password are required for these tasks:

- Starting a Telnet session to monitor the MCU
- Upgrading the MCU software
- Uploading Interactive Voice Response (IVR) messages to MCU configuration memory

The default global user name is admin. The default password is password.

Procedure

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- Step 1** Start a terminal emulator session as described in the [Setting the IP Address for Both Blades, page 2-4](#).
 - Step 2** Enter **P** at the prompt.
 - Step 3** Enter the name that you want to use as the global user name at the Enter User name prompt, and press **Enter**.
 - Step 4** Enter the password that you want to use at the Password prompt, and press **Enter**.
The network configuration Main menu appears.
 - Step 5** Do one of the following:
 - Enter the letter for the set of parameters that you want to configure.
 - Enter **Q** to save your changes and allow the device to complete the boot process.
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Accessing the MCU Interface

Procedure

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- Step 1** Launch your browser and enter the IP address or the name of the MCU followed.
- Step 2** Enter the Administrator user name and password in the appropriate fields and select **Go**.
The default global user name is *admin*. The default password is *password*.



Note If you try to sign in as an Administrator and another Administrator is currently signed in, the MCU signs you in as a Read only user. The words “Read Only” appear at the top of the window and a pop-up displays the IP address of the Administrator already signed in. Read only users cannot edit MCU settings.
