

Avaya G700

Avaya G700 Media Gateway (Model 700394984) User Manual

Comprehensive instructions for installation, operation, and maintenance.

1. INTRODUCTION

This manual provides essential information for the proper installation, configuration, operation, and maintenance of the Avaya G700 Media Gateway, model 700394984. The G700 is a scalable and versatile media gateway designed to integrate seamlessly with Avaya Communication Manager software, offering robust communication capabilities. It can function as a standalone unit with an S8300 Media Server or connect via LAN to an S8700 Media Server.

2. PRODUCT OVERVIEW

2.1 Key Features

- Supports 15 ports of tone detection.
- Equipped with 4 media module slots for expansion.
- Includes 1 P330 expansion module slot.
- Features 1 slot for the Octaplane stacking fabric.
- Provides a serial port for command line access.
- Offers an eight-port layer-2 switch or two 10/100BaseT external ports.
- Integrated VoIP engine supporting up to 64 G.711 single-channel calls.
- Designed for both desktop and rack-mountable installations.

2.2 Compatibility

The Avaya G700 Media Gateway integrates with Avaya S8700 series and S8300 media servers running Avaya Communication Manager software. It can operate standalone with an S8300 Media Server or connect via LAN to an S8700 Media Server.

3. SETUP AND INSTALLATION

Before proceeding with installation, ensure all components are present and undamaged. The G700 Media Gateway can be installed in a standard equipment rack or placed on a desktop.

3.1 Physical Installation

1. **Mounting:** Securely mount the G700 in a rack using appropriate mounting hardware, or place it on a stable, flat surface if using it as a desktop unit. Ensure adequate ventilation around the unit.
2. **Power Connection:** Connect the power cable to the G700's power input and then to a grounded electrical outlet.
3. **Network Connections:** Connect the appropriate network cables (RJ45) to the 10/100BaseT external ports or the eight-port layer-2 switch ports as required for your network infrastructure.
4. **Media Module Installation:** If using media modules, carefully insert them into the designated media module slots. Refer to the specific media module documentation for detailed installation instructions.
5. **Server Connection:** Establish a connection to your Avaya S8300 or S8700 Media Server. For S8300, the G700 can operate standalone. For S8700, connect via LAN.
6. **Serial Port:** For command line access and initial configuration, connect a serial cable to the serial port.

Important: Ensure all connections are secure before powering on the device.

4. OPERATING INSTRUCTIONS

Once physically installed and connected, the Avaya G700 Media Gateway requires configuration through its command-line interface (CLI) or a compatible Avaya management system.

4.1 Powering On

After all connections are made, apply power to the unit. Observe the front panel indicators for system status. The "PWR" indicator should illuminate, and other indicators like "ALM" (Alarm), "APP" (Application), "ACT" (Active), and "OK TO REMOVE" will provide status information during startup and operation.

4.2 Status Indicators

- **ALM (Alarm):** Indicates a system alarm or fault. Refer to troubleshooting section if illuminated.
- **PWR (Power):** Indicates the unit is receiving power.
- **CPU MSTR:** Indicates the CPU master status.
- **LNK COL Tx Rx FDX PC Hspd LAG:** Indicators for network link status, collision, transmit, receive, full duplex, port speed, and link aggregation.

4.3 Initial Configuration

Initial configuration typically involves accessing the device via the serial port or a network connection to set up IP addresses, network parameters, and integrate with the Avaya Communication Manager. Consult the Avaya Communication Manager documentation for detailed configuration procedures.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Avaya G700 Media Gateway.

- **Ventilation:** Ensure that the ventilation grilles (located on the side of the unit) are clear of obstructions to prevent overheating. Periodically clean dust accumulation from the vents using compressed air.
- **Cable Connections:** Periodically check all network and power cable connections to ensure they are secure.
- **Software Updates:** Keep the firmware and software of the G700 and integrated Avaya Communication Manager up-to-date as recommended by Avaya.
- **Environmental Conditions:** Operate the device within recommended temperature and humidity ranges to prevent damage.

6. TROUBLESHOOTING

This section provides basic troubleshooting steps for common issues.

6.1 Power Issues

- **No Power:** Verify the power cable is securely connected to both the G700 and a working electrical outlet. Check the power source.
- **ALM Indicator On:** If the Alarm indicator is illuminated, consult the Avaya G700 documentation for specific alarm codes and their resolutions.

6.2 Network Connectivity Issues

- **No Link Light:** Check network cable connections. Ensure the connected network switch port is active and configured correctly.
- **Intermittent Connectivity:** Inspect network cables for damage. Verify network configuration settings on the G700 and the connected server.

6.3 Login and Access Issues

If you are unable to log in or access the device for configuration, ensure you have the correct username and password. For devices acquired from secondary markets, it is crucial to verify that login details are provided or that the device is reset to factory defaults, if applicable, to avoid access issues.

7. SPECIFICATIONS

Feature	Detail
Brand	Avaya
Model Number	Avaya G700 Media Gateway 700394984
Connector Type	RJ45
Mounting Type	Rack Mount
Circuit Type	Multiple Paths
Control Method	Remote
Connectivity Protocol	Wi-Fi (Note: This may refer to management or specific modules, primary data is wired Ethernet)
Color	Black
Contact Material	Metal
Number of Positions	19
Manufacturer	Avaya
Date First Available	June 18, 2009

8. PRODUCT VIEWS



Figure 8.1: Front and top view of the Avaya G700 Media Gateway. This image displays the overall chassis, including the front panel with status indicators and module slots, and the top casing.



Figure 8.2: Rear view of the Avaya G700 Media Gateway. This view shows the power input, various regulatory labels, and additional connectivity ports on the back panel.



Figure 8.3: Close-up view of the Avaya G700 Media Gateway front panel. This detailed image highlights the status LEDs (ALM, PWR, CPU, MSTR, LNK, COL, Tx, Rx, FDX, PC, Hspd, LAG), USB ports, SERVICES port, and module slots.



Figure 8.4: Side view of the Avaya G700 Media Gateway, showing the ventilation grilles. These grilles are crucial for proper airflow and cooling of the internal components.

9. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or service, please refer to the official Avaya website or contact your authorized Avaya reseller. Specific warranty terms may vary based on region and purchase agreement.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question