



Overview

The Cisco Voice Gateway 200 (VG200) discussed in this publication provides a LAN interface to a fast 10/100BaseT Ethernet port, a console port for local system access using a console terminal, and nonvolatile random-access memory (NVRAM). This chapter contains the following sections:

- Hardware Features, page 1-1
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Hardware Features

The VG200 gateway includes the following hardware features:

- One 10/100-Mbps BaseT Ethernet 0/0 (RJ-45) port
- EIA/TIA-232 (RJ-45) console port for local system access using a console terminal

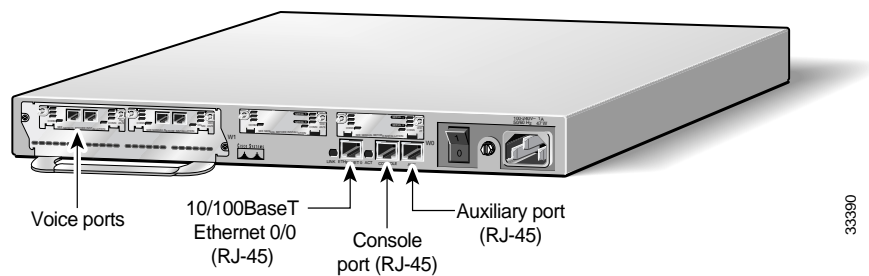


Note EIA/TIA-232 and EIA/TIA-449 were known as recommended standards RS-232 and RS-449 before their acceptance as standards by the Electronic Industries Association (EIA) and Telecommunications Industry Association (TIA).

- Dynamic random-access memory (DRAM) for main memory and shared memory
- NVRAM for storing configuration information

Figure 1-1 shows the rear panels of the Cisco VG200 discussed in this publication.

Figure 1-1 Cisco VG200 Gateway Rear Panel



Module Interface Specifications

The *Hardware Configuration Guide for the Cisco VG200* is on the Documentation CD-ROM that accompanied your gateway and on Cisco Connection Online (CCO).

System Specifications

Description	Specification
Dimensions (H x W x D)	1.69x17.5x11.8 in. (4.3x44.45x30.00 cm), one rack unit
Weight	10.25 lb (4.66 kg)

Description	Specification
Input voltage, AC power supply	100 to 240 VAC
Current	1.5A
Frequency	47 to 63 Hz
Power dissipation	47W (maximum), 260 Btus ¹ /hr
Input voltage, DC power supply	40W, -38 to -75 VDC
Current	2.0A
Power dissipation	47W (maximum), 260 Btus/hr
Processor	40-MHz Motorola PowerQUICC MPC860
Operating environment	32 to 104°F (0 to 40°C)
Nonoperating temperature	-130 to 158°F (-25 to 70°C)
Operating humidity	5 to 95%, noncondensing
Noise level	38 dBa minimum
Regulatory compliance	FCC Class B and Canadian DOC Class A For more regulatory information, refer to the <i>Regulatory Compliance and Safety Information</i> publication that accompanied your gateway.
Safety	Approvals: UL1950, CSA 22.2, No. 950 IEC 60950 En 60950

1. Btus = British thermal units.

Regulatory Compliance

The following regulatory compliance information pertains to the VG200 gateway.

FCC Part 68 Notice

The gateway complies with Part 68 of the FCC rules. On the bottom of the gateway is a label that contains, among other information, the FCC registration number. If requested, you must provide this information to the telephone company.

An FCC-compliant cord and modular plug is provided with the gateway. The gateway is designed for connection to the telephone network or premises wiring using a compatible modular jack that is Part 68 compliant.

The gateway cannot be used on telephone company-provided coin service. Connection to party line service is subject to state tariffs.

If the gateway causes harm to the telephone network, the telephone company will notify you in advance that it may be necessary to temporarily discontinue service. If advance notice is not practical, the telephone company will notify you as soon as possible. Also, you will be advised of your right to file a complaint with the FCC.

The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of the gateway. If this happens, the telephone company will provide advance notice for you to make the necessary modifications to maintain uninterrupted service.

If you experience trouble with the gateway and need information on repairs and warranty, refer to the *Cisco Information Packet* publication that accompanied the gateway. If the trouble is harming the telephone network, the telephone company may request that you remove the gateway from the network until the problem is resolved.

To avoid damage to the gateway caused by local lightning strikes or other electrical surges, install an AC surge arrester in the AC outlet to which the gateway is connected.

CS-03 Certification

This gateway is CS-03 certified. Observe the following general information and safety precautions:

- The Industry Canada label identifies CS-03 certified equipment. This certification means that the equipment meets certain telecommunications network protection, operation, and safety requirements as described in the appropriate terminal equipment requirements document(s). The Department does not guarantee the equipment will operate to the user's satisfaction.
- Before installing the gateway, ensure that it is permissible to connect the gateway to the facilities of the local telecommunications company. The gateway must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.
- Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.
- Ensure that the electrical ground connections of the power utility, telephone lines, and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.



Warning

Never defeat the ground conductor or operate the equipment in the absence of a suitably installed ground conductor. Contact the appropriate electrical inspection authority or an electrician if you are uncertain that suitable grounding is available.

EMC Compliance

The Cisco VG200 complies with the following EMC standards:

- EN55022: 1994 Class B (including amendments 1 and 2)
- FCC 47CEF15 subpart B
- VCCI
- AS/NZS 3548

- BCIQ CNS
- CISPR 22

EN55022/FCC Class B Compliance

The equipment described in this document generates and may radiate radio-frequency energy. If it is not installed in accordance with Cisco's installation instructions, it may cause interference with radio and television reception. This equipment has been tested and found to comply with the limits for a Class B digital device in accordance with the specifications in part 15 of the FCC rules. These specifications are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

You can determine whether your equipment is causing interference by turning it off. If the interference stops, it was probably caused by the Cisco equipment or one of its peripheral devices. If the equipment causes interference to radio or television reception, try to correct the interference by using one or more of the following measures:

- Turn the television or radio antenna until the interference stops.
- Move the equipment to one side or the other of the television or radio.
- Move the equipment farther away from the television or radio.
- Plug the equipment into an outlet that is on a different circuit from the television or radio. (That is, make certain the equipment and the television or radio are on circuits controlled by different circuit breakers or fuses.)

Modifications to this product not authorized by Cisco Systems, Inc., could void the FCC approval and negate your authority to operate the product.