Doc. No. 78-3386-01

Cisco AS5200 Universal Access Server Public Network Certification

This document provides international regulatory and safety compliance information for the Cisco AS5200 Universal Access Server. Use this document with the *Cisco AS5200 Universal Access Server Installation Guide*.

Note These documents are available on a CD-ROM called Cisco Connection Documentation, Enterprise Series or printed copies can be ordered. To order documentation refer to the section "Cisco Connection Online."

This document contains the following sections:

- Safety Information for the Cisco AS5200
- Operating Conditions for Canada
- Operating Conditions for the FCC
- Cisco Connection Online

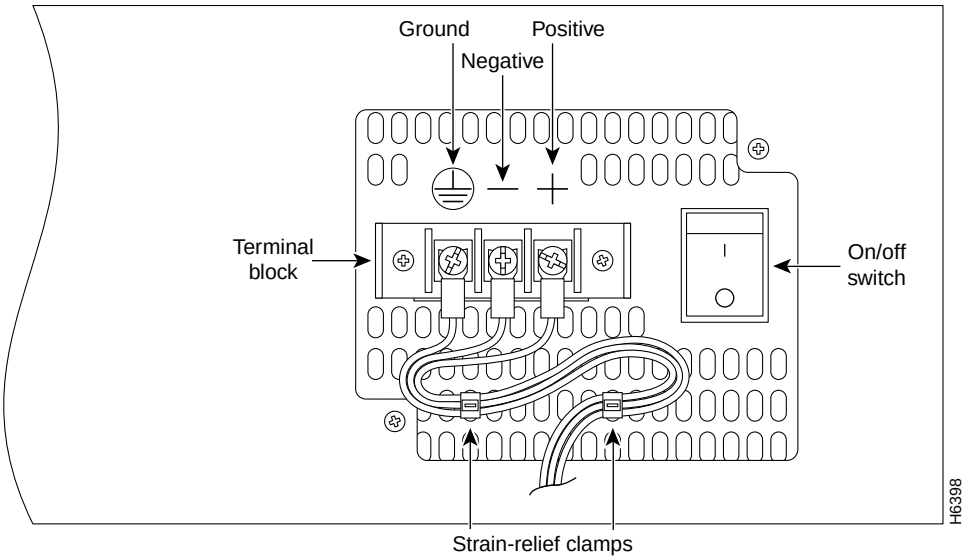
Safety Information for the Cisco AS5200

The following statements are warnings or safety guidelines. A warning means danger. You are in a situation that could cause bodily injury. All warnings appear in multiple languages in the appendix "Translated Safety Warnings" in the *Cisco AS5200 Universal Access Server Installation Guide*. Before working on equipment, be aware of the hazards involved with electrical circuitry and standard safety practices to prevent accidents.

- Ultimate disposal of this product should be handled according to all national laws and regulations.
- Before working on equipment that is connected to power lines, remove jewelry (including rings, necklaces, and watches). Metal objects will heat up when connected to power and ground and can cause serious burns or weld the metal object to the terminals.
- When installing the unit, the ground connection must always be made first and disconnected last.

- Read the installation instructions before you connect the system to its power source.
- The device is designed to work with TN power systems.
- This product relies on the building's installation for short-circuit (overcurrent) protection. Ensure that a fuse or circuit breaker no larger than 120 VAC, 15A U.S. (240 VAC, 10A international) is used on the phase conductors (all current-carrying conductors).
- The Ethernet 10BaseT, serial, console, and auxiliary ports contain safety extra-low voltage (SELV) circuits. PRI circuits are treated like telephone-network voltage (TNV) circuits. Avoid connecting SELV circuits to TNV circuits.
- Network hazardous voltages are present in the T1 PRI cable. If you detach the cable, detach the end away from the router first to avoid possible electric shock. Network hazardous voltages are also present in the area of the T1 PRI (RJ-48C) ports, regardless of whether power is off or on.
- This unit is intended for installation in a restricted access area. A restricted access area is where access can only be gained by service personnel through the use of a special tool, or lock and key, or other means of security, and is controlled by the authority responsible for the location.
- Only trained and qualified personnel should be allowed to install or replace this equipment.
- This equipment is intended to be grounded. Ensure that the host is connected to earth ground during normal use.
- Do not work on the system or connect or disconnect cables during periods of lightning activity.
- Before working on a chassis or working near power supplies, unplug the power cord on AC units; disconnect the power at the circuit breaker on DC units.
- Do not touch the power supply when the power cord is connected. For systems with a power switch, line voltages are present within the power supply even when the power switch is off and the power cord is connected. For systems without a power switch, line voltages are present within the power supply when the power cord is connected.
- Before performing any of the following procedures, ensure that power is removed from the DC circuit. To ensure that all power is off, locate the circuit breaker on the panel board that services the DC circuit, switch the circuit breaker to the off position, and tape the switch handle of the circuit breaker in the off position.
- Figure 1 shows the DC power supply terminal block. Wire the DC power supply using the appropriate lugs at the wiring end, as illustrated. The proper wiring sequence is ground to ground, positive to positive (line to L), and negative to negative (neutral to N). Note that the ground wire should always be connected first and disconnected last.

Figure 1 DC Input Power Supply Connections



- When stranded wiring is required, use approved wiring terminations, such as closed-loop or spade-type with upturned lugs. These terminations should be the appropriate size for the wires and should clamp both the insulation and conductor.
- After wiring the DC power supply, remove the tape from the circuit breaker switch handle and reinstate power by moving the handle of the circuit breaker to the on position.
- Before opening the chassis, disconnect the telephone-network cables to avoid contact with telephone-network voltages.

Operating Conditions for Canada

All warnings and safety guidelines listed in “Safety Information for the Cisco AS5200” apply to the Cisco AS52-CT1used in Canada. In addition, the following statements apply only to Cisco AS52-CT1 products used in Canada:

Connection Arrangements: CA81A, CA48C.

The Canadian Department of Communications label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective operational and safety requirements. The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing the equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. In some cases, the company's inside wiring associated with a single line individual service may be extended by means of a certified connector assembly (telephone extension cord). 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 made by an authorized Canadian maintenance facility 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.

Users should ensure for their own protection 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.

Caution Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

Operating Conditions for the FCC

The following text is required for Federal Communications Commission (FCC) Part 68 regulatory compliance:

This equipment complies with Part 68 of the FCC rules. On the side of this Network Module interface card is a label that contains, among other information, the FCC registration number. If requested, this information must be provided to the telephone company.

If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. If advance notice is not practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your the right to file a complaint with the FCC if you believe it is necessary.

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

If trouble is experienced with this equipment, please contact:

Cisco Systems, Inc.
RMA Receiving
1135 Walsh Avenue
Santa Clara, California 95050

For repair and (or) warranty information. If the trouble is causing harm to the telephone network, the telephone company may request that you remove the equipment from the network until the problem is resolved.

It is recommended that the customer install an AC surge arrestor in the AC outlet to which this device is connected. This is to avoid damaging the equipment caused by local lightning strikes and other electrical surges.

The Cisco AS52-2CT1 has the 6.0F service order cable.

The unit has the following facility interface codes: 04DU9-BN, 04DU9-DN, 04DU9-IKN, 04DU9-ISN.

Agency Approvals

The following agency approvals apply to the Cisco AS5200:

- PTT: FCC Part 68
- Industry Canada DOC CS-03

Cisco Connection Online

Cisco Connection Online (CCO), formerly Cisco Information Online (CIO), is Cisco Systems' primary, real-time support channel. Maintenance customers and partners can self-register on CCO to obtain additional content and services.

Available 24 hours a day, 7 days a week, CCO provides a wealth of standard and value-added services to Cisco's customers and business partners. CCO services include product information, software updates, release notes, technical tips, the Bug Navigator, configuration notes, brochures, descriptions of service offerings, and download access to public and authorized files.

CCO serves a wide variety of users through two interfaces that are updated and enhanced simultaneously---a character-based version and a multimedia version that resides on the World Wide Web (WWW). The character-based CCO supports Zmodem, Kermit, Xmodem, FTP, Internet e-mail, and fax download options, and is excellent for quick access to information over lower bandwidths. The WWW version of CCO provides richly formatted documents with photographs, figures, graphics, and video, as well as hyperlinks to related information.

You can access CCO in the following ways:

- WWW: `http://www.cisco.com`
- Telnet: `cco.cisco.com`
- Modem: From North America, 408 526-8070; from Europe, 33 1 64 46 40 82. Use the following terminal settings: VT100 emulation; databits: 8; parity: none; stop bits: 1; and baud rates up to 14.4 kbps.

For a copy of CCO's Frequently Asked Questions (FAQ), contact `ccohelp@cisco.com`. For additional information, contact `ccoteam@cisco.com`.

Note If you are a network administrator and need personal technical assistance with a Cisco product that is under warranty or covered by a maintenance contract, contact Cisco's Technical Assistance Center (TAC) at 800 553-2447, 408 526-7209, or `tac@cisco.com`. To obtain general information about Cisco Systems, Cisco products, or upgrades, contact 800 553-6387, 408 526-7208, or `csrep@cisco.com`.

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